TSD File Inventory Index

Date: April 7, 2000

Initial: CM [illegible]

Facility Name:	Stewart Warner Corporation (Bassick Division On File Site)
Facility Identification Number:	ILD 005 444 930

A.1 General Correspondence		**B.2 Permit Docket (B.1.2)**	
A.2 Part A / Interim Status	Y	.1 Correspondence	
.1 Correspondence	Y	.2 All Other Permitting Documents (Not Part of the ARA)	
.2 Notification and Acknowledgment	Y	**C.1 Compliance - (Inspection Reports)**	X
.3 Part A Application and Amendments	X	**C.2 Compliance/Enforcement**	Y
.4 Financial Insurance (Sudden, Non Sudden)		.1 Land Disposal Restriction Notifications	
.5 Change Under Interim Status Requests		.2 Import/Export Notifications	
.6 Annual and Biennial Reports		**C.3 FOIA Exemptions - Non-Releasable Documents**	
A.3 Groundwater Monitoring		**D.1 Corrective Action/Facility Assessment**	
.1 Correspondence		.1 RFA Correspondence	Y
.2 Reports		.2 Background Reports, Supporting Docs and Studies	
A.4 Closure/Post Closure	Y	.3 State Prelim. Investigation Memos	
.1 Correspondence	Y	.4 RFA Reports	X
.2 Closure/Post Closure Plans, Certificates, etc	X	**D. 2 Corrective Action/Facility Investigation**	
A.5 Ambient Air Monitoring		.1 RFI Correspondence	
.1 Correspondence		.2 RFI Workplan	
.2 Reports		.3 RFI Program Reports and Oversight	
B.1 Administrative Record		.4 RFI Draft /Final Report	

Total -1

.5 RFI QAPP		.6 CMI QAPP	
.6 RFI QAPP Correspondence		.7 Lab Data, Soil-Sampling/Groundwater	
.7 Lab Data, Soil-Sampling/Groundwater		.8 Progress Reports	
.8 RFI Progress Reports		**D.5 Corrective Action/Enforcement**	
.9 Interim Measures Correspondence		.1 Administrative Record 3008(h) Order	
.10 Interim Measures Workplan and Reports		.2 Other Non-AR Documents	
D.3 Corrective Action/Remediation Study		**E. Boilers and Industrial Furnaces (BIF)**	
.1 CMS Correspondence		.1 Correspondence	
.2 Interim Measures		.2 Reports	
.3 CMS Workplan		**F.1 Imagery/Special Studies** (Videos, Photos, Disks, Maps, Blueprints, Drawings, and Other Not Oversized Special Materials.)	
.4 CMS Draft/Final Report		**G.1 Risk Assessment**	
.5 Stabilization		.1 Human/Ecological Assessment ...	
.6 CMS Progress Reports		.2 Compliance and Enforcement ...	
.7 Lab Data, Soil-Sampling/Groundwater		.3 Enforcement Confidential	
D.4 Corrective Action Remediation Implementation		.4 Ecological - Administrative Record	
.1 CMI Correspondence		.5 Permitting	
.2 CMI Workplan		.6 Corrective Action/Remediation Study ...	
.3 CMI Program Reports and Oversight		.7 Corrective Action Remediation Implementation ...	
.4 CMI Draft/Final Reports		.8 Endangered Species Act	
.5 CMI QAPP		.9 Environmental Justice	

Note: Transmittal Letter to Be Included with Reports.

Comments: Documents do not go into individual folders / get scheduled

A.2 Part A/
Interim Status

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF:
RCRA ACTIVITIES

24 MAY 1982

Mr. Harry Stacey, Plant Engineer
Stewart Warner Corporation - Bassick Division
600 Strong
Spring Valley, Illinois 61362

USEPA ID. No. ILD005444930
RE: Letter of Warning
Incomplete Part A Application

Dear Mr. Stacey:

On Jan. 12, 1982, the United States Environmental Protection Agency (USEPA) returned your Part A Hazardous Waste Permit Application for the facility identified above, and requested that you complete the missing items marked on an attached checklist. We also asked that you return the updated Part A application within 30 days for missing items marked with an asterisk and 60 days for all other missing items. This deadline for resubmitting your completed Part A application has passed, and we have not received it.

In accordance with the provisions of 40 CFR 122.23(a)(3), a facility is not entitled to interim status if the Agency determines that the facility has submitted a deficient application. Since we have not received your completed Part A application, your facility has not met all of the requirements for interim status. Therefore, your facility is operating without a hazardous waste permit, in violation of Section 3005 of the Resource Conservation and Recovery Act (RCRA) as amended. This violation of Section 3005 of RCRA may subject you to Federal enforcement under Section 3008 of RCRA for past and continued non compliance.

Please submit your completed Part A application to this Regional Office within fifteen days of receipt of this letter to:

RCRA ACTIVITIES
Region V
P. O. Box A 3587
Chicago, Illinois 60690-3587

If your status as a treatment, storage, and/or disposal facility has changed or if you have recently submitted the requested information, please advise us immediately. Please contact Lisa Binder of my staff at 312-353-1505, if you have any questions regarding this letter.

Sincerely yours,

Karl J. Klepitsch, Jr.

Part A
received 5-17
to D. Horner

Karl J. Klepitsch, Jr., Chief
Waste Management Branch

cc: W.J. Kiley
Bill Child, IEPA

ILD005444930

PS Form 3811, Jan. 1979

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)
- ☐ Show to whom and date delivered..... ¢
- ☐ Show to whom, date and address of delivery... ¢
- ☐ RESTRICTED DELIVERY
  Show to whom and date delivered..... ¢
- ☐ RESTRICTED DELIVERY.
  Show to whom, date, and address of delivery.$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

Harry Stacey, Plant Engineer
Stewart Warner Corp.-Bassick Div.
600 Strong, Spring Valley, IL 61362

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	313751	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐Addressee ☐Authorized agent

D. Parnell

4. DATE OF DELIVERY: MAY 26 1982

POSTMARK: SPRING VALLEY MAY 26 1982

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

☆GPO : 1979-288-848

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

MAY 16 1984

REPLY TO ATTENTION OF:

5HW-13

Harry Stacey, Plant Engineer
Bassick Division, Stewart Warner Corporation
600 North Strong Street
Spring Valley, Illinois 61362

RE: Interim Status Acknowledgement U.S. EPA ID No. ILD 005444930
FACILITY NAME: Bassick Division
Stewart Warner Corporation

Dear Mr. Stacey:

This is to acknowledge that the United States Environmental Protection Agency (U.S. EPA) has completed processing your Part A Hazardous Waste Permit Application. It is the opinion of this office that the information submitted is complete and that you, as an owner or operator of a hazardous waste management facility, have met the requirements of Section 3005(e) of the Resource Conservation and Recovery Act (RCRA) for interim status. However, should U.S. EPA obtain information which indicates that your application was incomplete or inaccurate, you may be requested to provide further documentation of your claim for interim status. Our opinion will be reevaluated on the basis of this information.

The State of Illinois has received Phase I interim authorization under Section 3006 of RCRA. Because of this authorization, you are required to comply with standards prescribed in 35 Illinois Administrative Code, Subtitle G, Chapter I, Subchapter c, Part 725, in lieu of the standards in 40 CFR 265. In addition, you are reminded that operating under interim status does not relieve you of the need to comply with other applicable Federal, State and local requirements.

The printout enclosed with this letter identifies the limit(s) of the process design capacities your facility may use during the interim status period. This information was obtained from the Part A permit application that was sent to U.S. EPA. If you wish to handle new wastes, to change processes, to increase the design capacity of existing processes, or to change ownership or operational control of the facility, you may do so only as provided in 40 CFR 270.72, and as State regulations allow.

Yellow Copy

5/14

As stated in the first paragraph of this letter, you have met the requirements of 40 CFR 270.70(a); your facility may operate under interim status until such time as an RCRA permit is issued or denied. This will be preceded by a request from this office or the Illinois Environmental Protection Agency for Part B of your application. Please contact Arthur Kawatachi of my staff at (312) 886-7449, if you have any questions concerning this letter or the enclosure.

Please contact Mr. Robert Kuykendall at the Illinois EPA, 2200 Churchill Road, Springfield, Illinois 62706, or telephone (217) 782-6760, if you have questions concerning the Illinois hazardous waste regulations.

Sincerely yours,

Karl J. Klepitsch, Jr., Chief
Waste Management Branch

Enclosure

cc: Larry Frashefski, Plant Manager
Wesley J. Kiley, Corporate Vice President

FACILITY NAME

Stewart Warner Gorporation , Bassick Div.

EPA ID NUMBER

ILD005444930

FACILITY OPERATOR

Stewart Warner Corporation

FACILITY OWNER

Stewart Warner Corporation

FACILITY LOCATION

600 North Spring Street
Spring Valley, Illinois 61362

PROCESS CODE	DESIGN CAPACITY	UNIT OF MEASURE
T01	360,000	U

--------- KEY ----------

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE
STORAGE:		
CONTAINER	S01	G or L
TANK	S02	G or L
WASTE PILE	S03	Y or C
SURFACE IMPOUNDMENT	S04	G or L
DISPOSAL:		
INJECTION WELL	D79	G,L,U, or V
LANDFILL	D80	A or F
LAND APPLICATION	D81	B or Q
OCEAN DISPOSAL	D82	U or V
SURFACE IMPOUNDMENT	D83	G or L
TREATMENT:		
TANK	T01	U or V
SURFACE IMPOUNDMENT	T02	U or V
INCINERATOR	T03	D,W,E, or H
OTHER	T04	U,V,J,R,N, or S

UNIT OF MEASURE	CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS/HOUR	W
GALLONS/HOUR	E
LITERS/HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q
POUNDS/HOUR	J
KILOGRAMS/HOUR	R
TONS PER DAY	N
METRIC TONS/DAY	S

EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤ ILD005444930 REACKNOWLEDGEMENT

STEWART WARNER CORPORATION
600 STRONG
SPRING VALLEY IL 61362

INSTALLATION ADDRESS ➤

600 STRONG
SPRING VALLEY IL 61362

EPA Form 8700-12B (4-80)

08/14/81

Please print or type with ELITE type (12 characters/inch) in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

INSTALLATION'S EPA I.D. NO.

I. NAME OF INSTALLATION: ILD005444930

II. INSTALLATION MAILING ADDRESS:
STEWART-WARNER CORP
600 STRONG
SPRING VALLEY, IL 61362

000072 AUG 15 80

III. LOCATION OF INSTALLATION:
600 STRONG
SPRING VALLEY, IL 61362

DETACH A

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER	APPROVED	DATE RECEIVED (yr., mo., & day)
F ILD005444930 T/A 1	A	80 08 15

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 3

CITY OR TOWN | ST. | ZIP CODE: 4

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 5

CITY OR TOWN | ST. | ZIP CODE: 6

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title): 2 HARRY H STACEY MGR MFG ENG

PHONE NO. (area code & no.): 815-664-2311

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: 8 STEWART WARNER BASSICK DIV

B. TYPE OF OWNERSHIP (enter the appropriate letter into box): M

F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

- [X] A. GENERATION
- [X] B. TRANSPORTATION (complete item VII)
- [ ] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only – enter "X" in the appropriate box(es))

- [ ] A. AIR
- [ ] B. RAIL
- [X] C. HIGHWAY
- [X] D. WATER
- [ ] E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.: ILD005444930

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

AUG 14 1980

CONTINUE ON REVERSE

W ILD005440 — FOR OFFICIAL USE

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F001	F006	F007	F008	F009	
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

☐ 1. IGNITABLE (D001) ☐ 2. CORROSIVE (D002) ☐ 3. REACTIVE (D003) ☐ 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
Harry H. Stacey	MGR. MFG. ENG. HARRY H. STACEY	8/12/80

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 characte ch).

Form Approved OMB No. 158-R0175

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F I L D 0 0 5 4 4 4 9 3 0 (F/A) (C) D

LABEL ITEMS

- EPA I.D. NUMBER
- III. FACILITY NAME
- V. FACILITY MAILING ADDRESS
- VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge to waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP: BASSICK DIVISION STEWART WARNER CORP

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 STACEY HARRY PLANT ENGINEER	815 664 2311

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 600 N STRONG STREET

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 SPRING VALLEY	IL	61362

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 600 N STRONG STREET

B. COUNTY NAME: PUTNAM

5/17/82

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 SPRING VALLEY	IL	61362	

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
3,4,2,9 (specify) Casters - furniture	3,4,7,1 (specify) Electroplating

C. THIRD	D. FOURTH
(specify)	(specify)

VIII. OPERATOR INFORMATION

A. NAME: STEWART WARNER CORPORATION

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL, S = STATE, P = PRIVATE, M = PUBLIC (other than federal or state), O = OTHER (specify)
P (specify)

D. PHONE (area code & no.): A 312 883 7404

E. STREET OR P.O. BOX: 1826 DIVERSEY PARKWAY

F. CITY OR TOWN: CHICAGO

G. STATE: IL

H. ZIP CODE: 60614

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)
9 N	9 P

B. UIC (Underground Injection of Fluids)	E. OTHER (specify)
9 U	9 (specify)

C. RCRA (Hazardous Wastes)	E. OTHER (specify)
9 R	9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

This plant manufactures a varied line of casters for the furniture and appliance manufacturing industries.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Harry H. Stacey Plant Engineer	Wesley J. Kubey 5/12/82 Mgr. Plant Eng. Harry H. Stacey	5/6/82

COMMENTS FOR OFFICIAL USE ONLY

Please print or type in the unshaded areas only
(fill–in areas are spaced for elite type, i.e., 12 charact ch).

Form Approved OMB No. 158-S80004

FORM 3 RCRA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F I L D 0 0 5 4 4 4 9 3 0 (T/A) (C) 1

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

[ ] 2. NEW FACILITY *(Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*: C 8 | YR. 58 | MO. 09 | DAY 01

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN: YR. | MO. | DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. **PROCESS CODE** – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. **PROCESS DESIGN CAPACITY** – For each code entered in column A enter the capacity of the process.

1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP (T/A) (C) 1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	T 0 1	360,000	U		7				
2					8				
3					9				
4					10				

Continued from the front.

III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. **EPA HAZARDOUS WASTE NUMBER** – Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** – For each **listed waste** entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each **characteristic** or **toxic contaminant** entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** – For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. **PROCESSES**

1. PROCESS CODES:
   For listed hazardous waste: For each **listed** hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate **all** the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)		FOR OFFICIAL USE ONLY	
	T/A		T/A
W I L D 0 0 5 4 4 4 9 3 0	1	W DUP	2 DUP

V. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F 0 0 6	31,065.6	P	T 0 1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

Continued from the front.

IV. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. *(enter from page 1)*

F: I L D 0 0 5 4 4 4 9 3 0 | T/A | C: 6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail).*

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground--level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail).*

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
41 19 45	89 12 30

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
E: STEWART-WARNER CORPORATION	312-883-7404

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F: 1826 DIVERSEY PARKWAY	G: CHICAGO	IL	60614

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

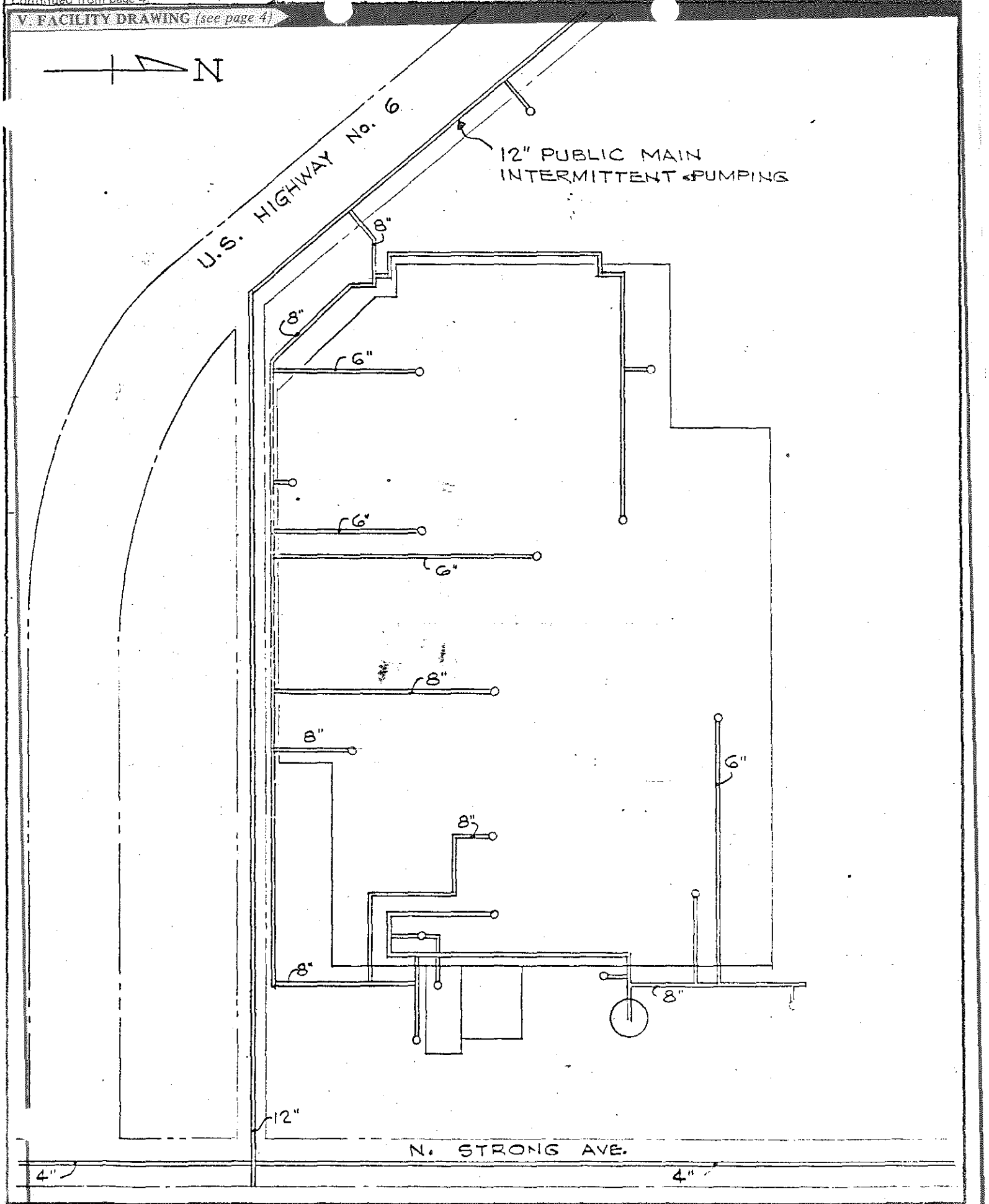
A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
Corporate Vice President	Wesley J. Kiley	5/12/82

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
Larry Frashefski Plant Manager	Wesley J. Kiley 5/12/82 Larry Frashefski Plant Mgr	5-6-82

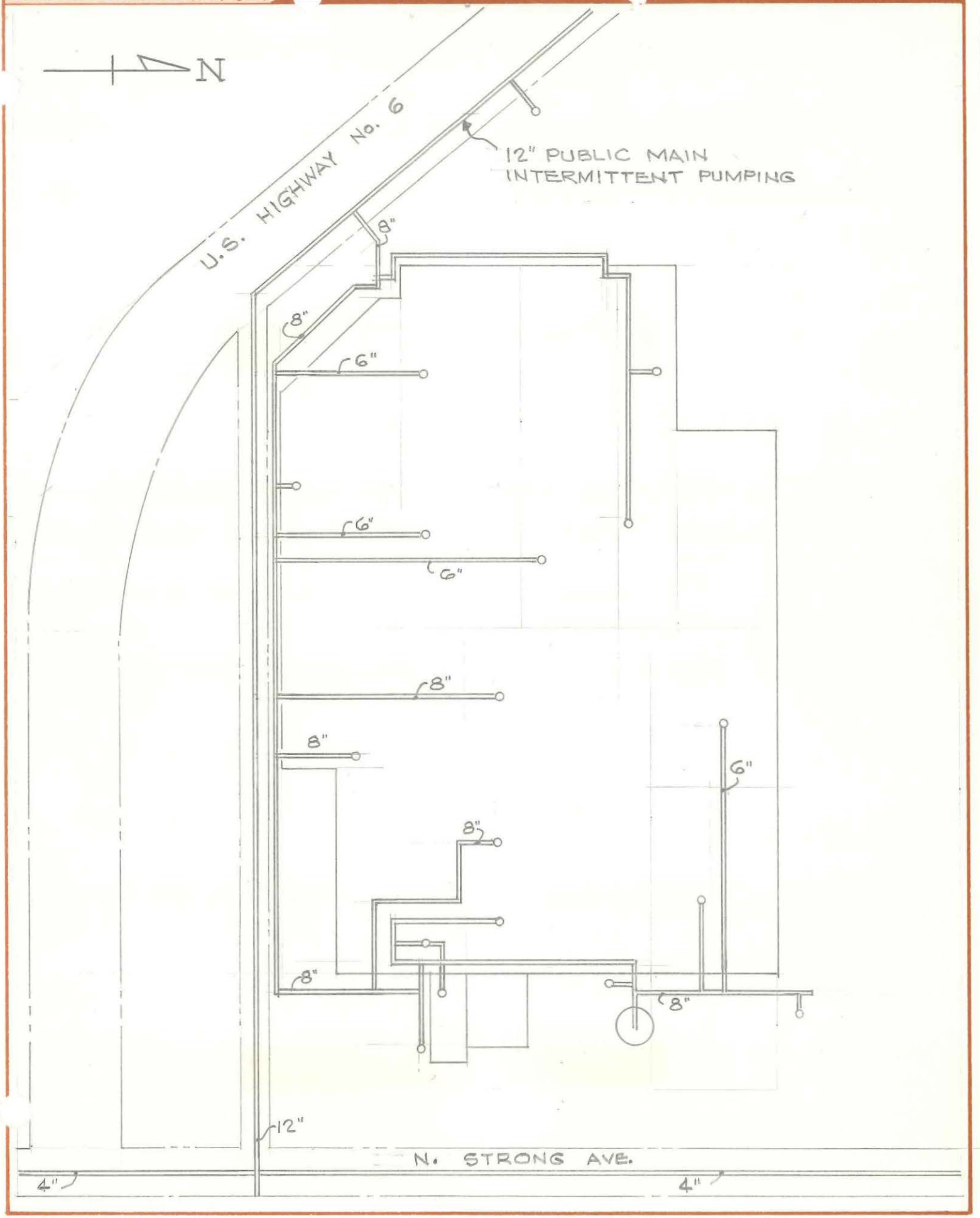
V. FACILITY DRAWING (see page 4)

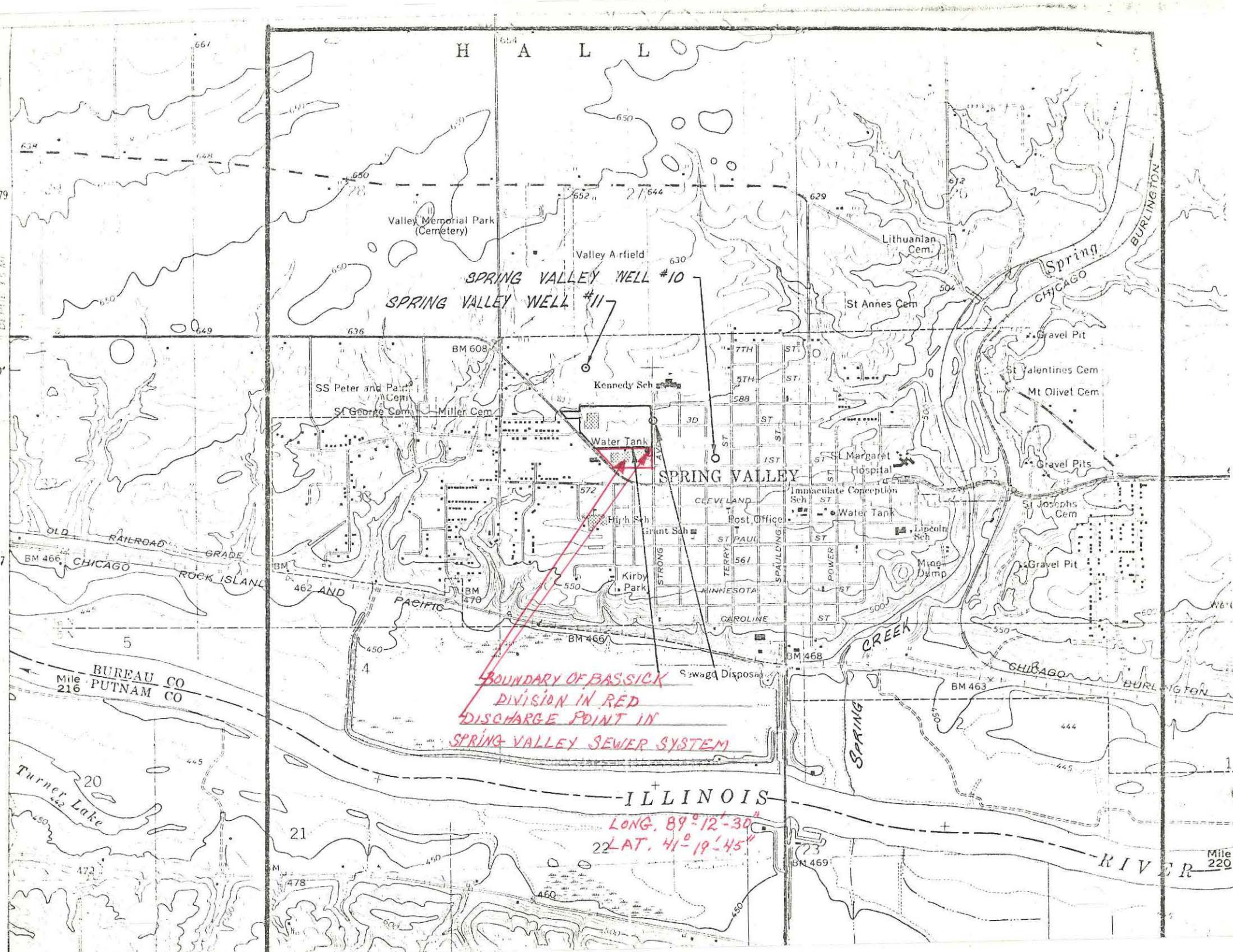


EPA Form 3510-3 (6-80)
PAGE 5 OF 5

Form Approved OMB No. 158-S80004

V. FACILITY DRAWING *(see page 4)*




H A L L
Valley Memorial Park (Cemetery)
Valley Airfield
SPRING VALLEY WELL #10
SPRING VALLEY WELL #11
Lithuanian Cem.
St Annes Cem
Gravel Pit
St Valentines Cem
Mt Olivet Cem
Gravel Pits
Gravel Pit
BM 608
SS Peter and Paul Cem
St George Cem
Miller Cem
Kennedy Sch
Water Tank
SPRING VALLEY
St Margaret Hospital
Immaculate Conception Sch
Water Tank
Post Office
High Sch
Grant Sch
Lincoln Sch
St Josephs Cem
Kirby Park
Mine Dump
OLD RAILROAD GRADE
CHICAGO ROCK ISLAND AND PACIFIC
BM 466
BM 462
BM 470
BM 468
BM 463
BM 469
Sewage Disposal
BOUNDARY OF BASSICK DIVISION IN RED
DISCHARGE POINT IN SPRING VALLEY SEWER SYSTEM
BUREAU CO
PUTNAM CO
Mile 216
Turner Lake
ILLINOIS
LONG. 89°-12'-30"
LAT. 41°-19'-45"
RIVER
Mile 220
SPRING CREEK
CHICAGO BURLINGTON
CLEVELAND
ST PAUL
MINNESOTA
CAROLINE
STRONG
TERRY
SPAULDING
POWER

STEWART-WARNER CORPORATION SYMBOL OF EXCELLENCE SW **Bassick** Division
600 NORTH STRONG STREET • SPRING VALLEY, ILLINOIS 61362 • 815/664-2311

May 6, 1982

Mr. David Homer
U.S. Environmental Protection Agency
RCRA Activities
P.O. Box A3587
Chicago, Illinois 60690-3587

Dear Mr. Homer:

To clarify item #1, Section III, (processes - codes and design capacities), Form 3, page 1 of 5, referring to the T01-360,000 gallons. This does not reflect a treatment tank of that capacity, however does designate a daily average through put from our plating facility.

This item was questioned by your office, and was being interpreted as volume, which is not the case, and was designated as such, per instructions for filling out that section of the permit application.

This was to inform you that a tank is available, not for treatment, but as a holding tank with an average of 360,000 gallons per day flow through.

I would hope that this would clarify this portion of the permit request. However should you require any additional information, please do not hesitate to call.

Very truly yours,

Larry Frashefski
Resident Plant Manager

LF:dp

UNITED STATES
ENV...ONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF:

JAN 12 19 8

RCRA ACTIVITIES

Harry Stacey, Plant Engineer
Stewart-Warner Corp.
600 Strong
Spring Valley, IL 61362

RE: Hazardous Waste Permit Application-Incomplete Part A (ILD005444930)
Facility Name (and EPA ID number)
Facility Address

We have completed our review of your Part A RCRA permit application for the facility referenced above. The application was incomplete; therefore, we are returning it to you along with a checklist which indicates the missing items. Please complete all missing items marked with an asterisk (*) on the application form, and return the form in time to reach this office by February 12, 1982. All other missing items marked on the checklist should be completed and may be forwarded to this office under separate cover by March 12, 1982.

All of these items are necessary in order for the U.S. Environmental Protection Agency to determine whether your facility qualifies for interim status. Once you receive interim status, your facility may continue operating under the interim status standards until such time as a Part B application is requested by USEPA. At that time, you will have up to six months to submit the Part B portion of the application and to show that you comply with the final detail technical standards.

Please note that some of your original entries on the forms may be changed. We have coded your forms to accommodate key punching for subsequent computer processing; all of our coding was done in blue ink only.

If you have any questions or wish to discuss the missing items on the checklist, please feel free to contact Lisa Binder, the reviewer of your application, at (312) 886-6164 or me at (312) 886-7449.

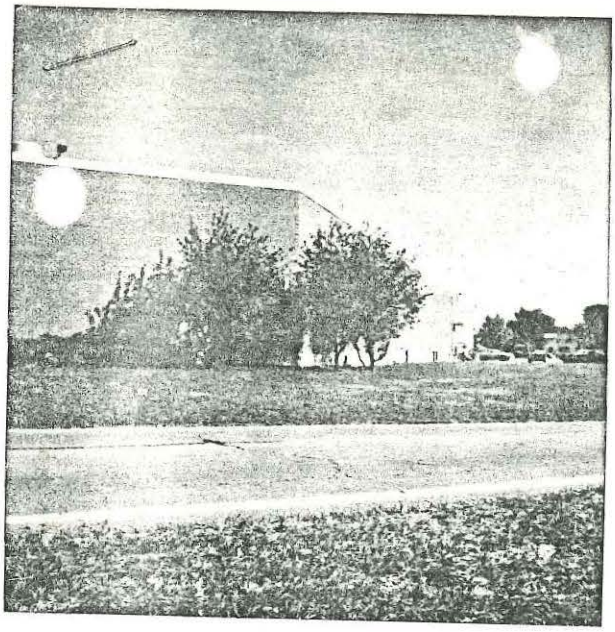
Sincerely yours,

Arthur S. Kawatachi

Arthur S. Kawatachi
Regional Project Officer

Enclosure

P.S. All missing items marked with an asterisk must be submitted to us with a cover letter signed by the appropriate certifying official (Item XIII on Form 1 and/or Item IX and X on Form 3) or his duly authorized representative.



Form Approved OMB No. 158-R0179

MENTAL PROTECTION AGENCY
AL INFORMATION
lidated Permits Program
eral Instructions" before starting.)

I. EPA I.D. NUMBER

S												T/A	C
F	I	L	D	0	0	5	4	4	9	3	0		D
1	2										13	14	15

CORP

IL 61362

IL 61362

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill—in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill—in area*(s)* below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

ther you need to submit any permit application forms to the EPA. If you answer "yes" to any form listed in the parenthesis following the question. Mark "X" in the box in the third column o each question, you need not submit any of these forms. You may answer "no" if your activity structions. See also, Section D of the instructions for definitions of **bold—faced terms.**

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
(FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge to waters of the U.S.?** (FORM 2B)		X	
C. Is this a facility which currently results in **discharges to waters of the U.S.** other than those described in A or B above? (FORM 2C)	X		
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge to waters of the U.S.?** (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes?** (FORM 3)	X		
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP: BASSICK DIVISION STEWART WARNER CORP

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 STACEY HARRY PLANT ENGINEER	815 664 2311

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX	B. CITY OR TOWN	C. STATE	D. ZIP CODE
3 600 N STRONG STREET	4 SPRING VALLEY	IL	61362

STEWART-WARNER CORP
BASSICK Div

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	B. COUNTY NAME	C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
5 600 N STRONG STREET	BUREAU	6 SPRING VALLEY	IL	61362	

NOV 24 1980

CONTINUE ON REVER

FORM 3 RCRA — EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F ILD005444930

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

[ ] 2. NEW FACILITY *(Complete item below.)*

C: 8 — YR. 58 MO. 09 DAY 01 — FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR. ___ MO. ___ DAY ___ — FOR NEW FACILITIES PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code*(s)* in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. PROCESS DESIGN CAPACITY — For each code entered in column A enter the capacity of the process.
1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C DUP 1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G	
X-2	T 0 3	20	E	
1	T 0 1	360,000	U	
2				
3				
4				
5				
6				
7				
8				
9				
10				

PROCESSES *(continued)*

SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

. DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER – Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY – For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

UNIT OF MEASURE – For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1): WILD005444930

FOR OFFICIAL USE ONLY: W DUP 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
01	F006	31,065.6	P	T01	
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3

601

EPA I.D. NO. *(enter from page 1)*

I	L	D	0	0	5	4	4	4	9	3	0	T/A	C
													6

. FACILITY DRAWING

ll existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail).* A/55

I. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, reatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail).* B/56

II. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*			LONGITUDE *(degrees, minutes, & seconds)*		
41	19	450	87	12	030

III. FACILITY OWNER

XXA. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
STEWART-WARNER CORPORATION	312-883-7404

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
1826 DIVERSEY PARKWAY	C G CHICAGO	IL	60614

X. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
W. J. Kiley	W. J. Kiley	11/18/80

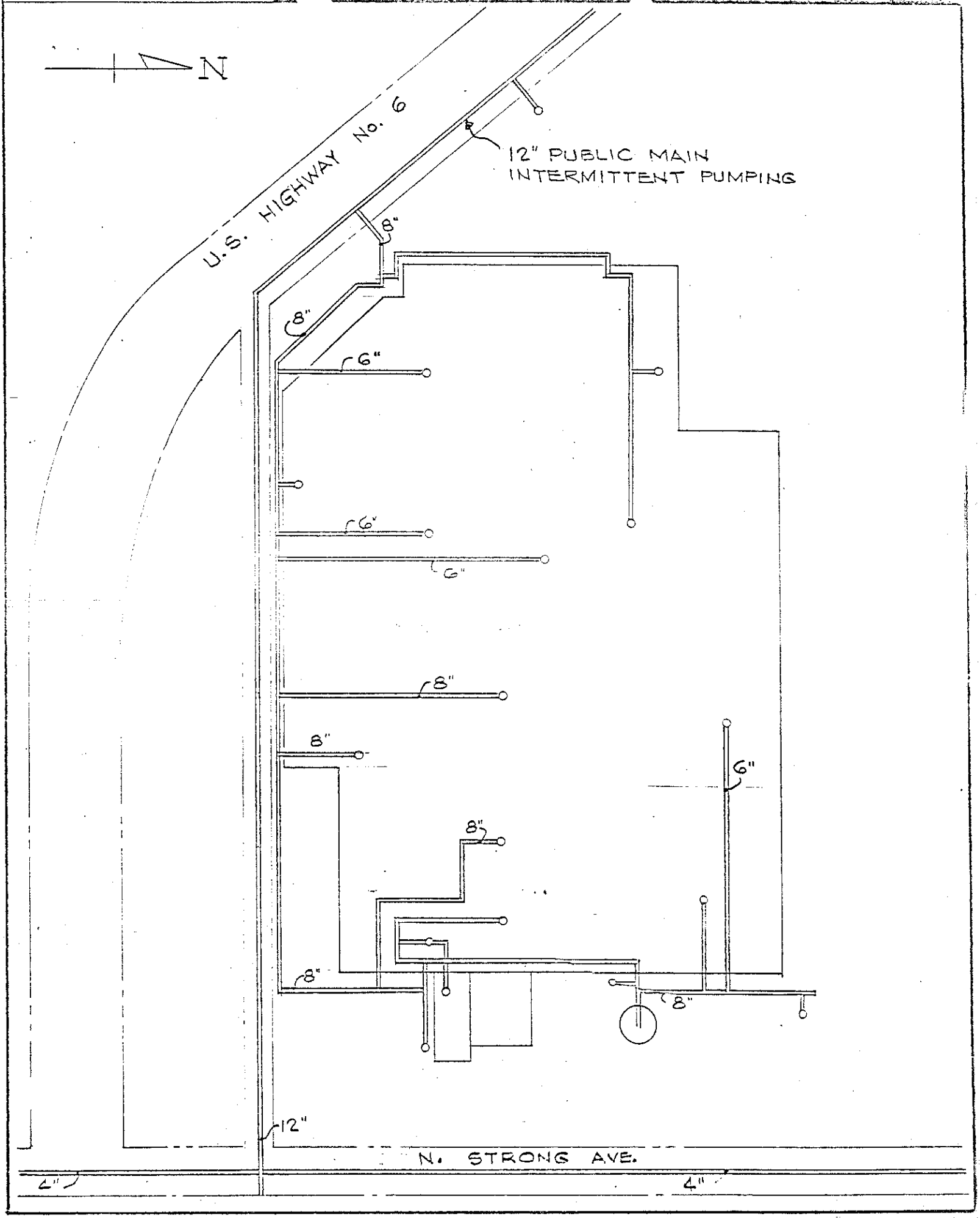
X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
Larry Frashefski-Plant Manager	Larry Frashefski	11-17-80

Form Approved OMB No. 158-S80004

V. FACILITY DRAWING (See page 4)



STEWART-WARNER CORPORATION SYMBOL OF EXCELLENCE SW Bassick Division
600 NORTH STRONG STREET • SPRING VALLEY, ILLINOIS 61362 • 815/664-2311

October 27, 1980

EPA-Region V
RCRA Activities
P.O. Box 7861
Chicago, Ill., 60680
c/o: Y. J. Kim

VII

Subject: Chemical Treatment

Dear Sir:

Because of changes in personnel, applying for a permit has been over-looked.

At present, we discharge electro-plating effuence into municipal sewerage over or under 10,000 gallons. Analysis wil be forward to you within 45 days. This analysis will be conducted by a qualified professional.

ILD005444930

Part A

Thank You,

Harry V. Stacey

Harry Stacey:sas
Mgr. Mfg. Eng.

OCT 27 1980

V

Mary M
Part B

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-6762

Log No. C-293-M-4
Received: February 7, 1989

Refer to: 0111000003 -- Bureau County
Spring Valley/Bassick Div. Stewart Warner
ILD005444930
RCRA-Closure

March 15, 1989

Bassick Div. Stewart-Warner
Attn: Larry Frashefski
600 N. Strong St.
Spring Valley, Illinois 61362

Dear Mr. Frashefski:

The closure plan modification request submitted and prepared by Randolph & Associates, Inc. has been reviewed by this Agency. Your final closure plan to close the hazardous waste container (S01) storage area is hereby approved subject to the following conditions.

1. Closure activities must be completed by May 1, 1989. When closure is complete the owner or operator must submit to the Agency certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan. This certification must be received at this Agency within sixty (60) days after closure, or by July 1, 1989.

   The attached closure certification form must be used. Signatures must meet the requirements of 35 Ill. Adm. Code Section 702.126. The independent engineer should be present at all critical, major points (activities) during the closure. These might include soil sampling, soil removal, backfilling, final cover placement, etc. The frequency of inspections by the independent engineer must be sufficient to determine the adequacy of each critical activity. Financial assurance must be maintained for the units approved for closure herein until the Agency approves the facility's closure certification.

The Illinois Professional Engineering Act (Ill. Rev. Stat., Ch. 111, par. 5101 et. seq.) requires that any person who practices professional engineering in the State of Illinois or implies that he (she) is a professional engineer must be registered under the Illinois Professional Engineering Act (par. 5101, Sec. 1). Therefore, any certification or engineering services which are performed for a closure plan in the State of Illinois must be done by an Illinois P.E.

Plans and specifications, designs, drawings, reports, and other documents rendered as professional engineering services, and revisions of the above must be sealed and signed by a professional engineer in accordance with par. 5119, sec. 13.1 of the Illinois Professional Engineering Act.

As part of the closure certification, to document the closure activities at your facility, please submit a Closure Documentation Report which includes:

a. The volume of waste and waste residue removed. The term waste includes wastes resulting from decontamination activities.

b. A description of the method of waste handling and transport.

c. The waste manifest numbers.

d. Copies of the waste manifests.

e. A description of the sampling and analytical methods used.

f. A chronological summary of closure activities and the cost involved.

g. Color photo documentation of closure. Document conditions before, during and after closure.

h. Tests performed, methods and results.

The original and two (2) copies of all certifications, logs, or reports which are required to be submitted to the Agency by the facility should be mailed to the following address:

Illinois Environmental Protection Agency
Division of Land Pollution Control -- #24
Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

2. If the Agency determines that implementation of this closure plan fails to satisfy the requirements of 35 Ill. Adm. Code, Section 725.211, the Agency reserves the right to amend the closure plan. Revisions of closure plans are subject to the appeal provisions of Section 40 of the Illinois Environmental Protection Act.

3. Under the provisions of 29 CFR 1910 (51 FR 15,654, December 19, 1986), cleanup operations must meet the applicable requirements of OSHA's Hazardous Waste Operations and Emergency Response standard. These requirements include hazard communication, medical surveillance, health and safety programs, air monitoring, decontamination and training. General site workers engaged in activities that expose or potentially expose them to hazardous substances must receive a minimum of 40 hours of safety and health training off site plus a minimum of three days of actual field experience under the direct supervision of a trained experienced supervisor. Managers and supervisors at the cleanup site must have at least an additional eight hours of specialized training on managing hazardous waste operations.

4. The concrete surfaces shall be visually inspected, photographed and any residue adhering to the surface must be removed by scraping and/or brushing. Following this, the concrete surfaces must be steam cleaned and triple rinsed. All wash and rinse water shall be collected. If analysis of the wash or rinse water samples detect the presence of F006, F007 or F008 then that material must be managed as a hazardous waste. If the wash or rinse water samples exhibit a characteristic of hazardous waste then that material must be managed as a hazardous waste. In any event the material must be managed as a special waste. If, after cleaning the concrete surfaces, any cracks, joints or other defects are found that would allow waste to migrate through the concrete into the underlying soil, a closure plan modification request addressing soil sampling at those locations must be submitted to this Agency within sixty (60) days of such a finding.

5. By no later than May 16, 1989, a closure plan must be submitted to this Agency for review and approval that addresses the closure of the approximately fifty (50) vats (tanks) of plating residue still on-site. This additional closure plan must be submitted unless it can be demonstrated to the Agency's satisfaction by April 14, 1989 that these vats (tanks) are not RCRA regulated storage units storing RCRA hazardous waste.

Should you have any questions regarding this matter, please contact Eugene W. Dingledine at 217/782-5504.

Very truly yours,

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EWD:bjh/0998k/79,82

Attachment

cc: Rockford Region
Division File - RCRA Closure
Andy Vollmer
Michael J. Hoffman, P.E.
USEPA Region V -- George Hamper
USEPA Region V -- Mary Murphy
Compliance Section

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-293-M-4

The hazardous waste management SOI unit at the facility described in this document has been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

USEPA ID Number	Facility Name
Signature of Owner/Operator	Name and Title
Signature of Registered P.E.	Name of Registered P.E. and Illinois Registration Number
Date	

LWE:EWD:bjh/0998k/83

Mary M.
Part B

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-6762

Log No. C-398-M-1
Received: January 27, 1989

Refer to: 0311140002 -- Cook County
Harwood Heights/Methode Electronics
ILD005092135
RCRA-Closure

March 10, 1989

Methode Electronics, Inc.
Attn: Robert J. Kuehnau
7444 West Wilson Avenue
Chicago, Illinois 60656

Mr. Kuehnau:

The closure plan modification request for a time extension submitted and prepared by Yates and Auberle, Ltd. has been reviewed by this Agency. Your final closure plan to close the hazardous waste container (S01) storage, tank (S02) storage, and treatment (T01) areas is hereby approved subject to the following conditions.

1. A modified closure plan must be submitted by June 1, 1989.

2. If the Agency determines that implementation of this closure plan fails to satisfy the requirements of 35 Ill. Adm. Code, Section 725.211, the Agency reserves the right to amend the closure plan. Revisions of closure plans are subject to the appeal provisions of Section 40 of the Illinois Environmental Protection Act.

3. The approval of this closure plan does not resolve this facility's violations of 35 Ill. Adm. Code, Part 725, Subpart H (Financial Requirements). These violations will not be resolved (and the facility will remain out of compliance) until adequate financial assurance is established or the Agency approves the certification of closure.

4. Under the provisions of 29 CFR 1910 (51 FR 15,654, December 19, 1986), cleanup operations must meet the applicable requirements of OSHA's Hazardous Waste Operations and Emergency Response standard. These requirements include hazard communication, medical surveillance, health and safety programs, air monitoring, decontamination and training. General site workers engaged in activities that expose or potentially expose them to hazardous substances must receive a minimum of 40 hours of safety and health training off site plus a minimum of three days of actual field experience under the direct supervision of a trained experienced supervisor. Managers and supervisors at the cleanup site must have at least an additional eight hours of specialized training on managing hazardous waste operations.

5. The Agency will establish clean-up objectives to be used to determine if "clean" closure (closure by removal) has been achieved upon receipt and review of the sampling and analytical results required in the approved closure plan. These sampling and analytical results along with a proposal for site specific clean-up objectives (if you wish to propose them) must be submitted to this Agency by June 1, 1989.

6. The Agency cannot at this time approve sealing the floor of the East Plant Drum Storage area since contamination was detected in the area. This request can be presented again in the modified closure plan to be submitted by June 1, 1989.

Should you have any questions regarding this matter, please contact Eugene W. Dingledine at 217/782-5504.

Very truly yours,

Lawrence W Eastep By AE

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EWD:889k/31-32

Attachment

cc: Northern Region
Division File - RCRA Closure
Andy Vollmer
Joseph D. Benigni, Ph.D., Yates & Auberle, Ltd., P.E.
USEPA Region V -- George Hamper
USEPA Region V -- Mary Murphy
Compliance Section

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

ATTACHMENT

This statement is to be completed by both the responsible officer and by the registered professional engineer upon completion of closure. Submit one copy of the certification with original signatures and three additional copies.

Closure Certification Statement

Closure Log C-398-M-1

The hazardous waste management S01, S02 and T01 units at the facility described in this document have been closed in accordance with the specifications in the approved closure plan. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

USEPA ID Number

Facility Name

Signature of Owner/Operator

Name and Title

Signature of Registered P.E.

Name of Registered P.E. and Illinois Registration Number

Date

EWD:889k/33

C.2 Compliance/ Enforcement

Illinois Environmental Protection Agency
Division of Land Pollution Control

RCRA INSPECTION REPORT

USEPA #: ILD005444930	**IEPA #:** 0111000003	
Facility Name: Stewart-Warner Corp.		**Phone #:** 815/664-2311
Street Address: 600 North Strong Street		**County:** Bureau
City: Spring Valley	**State:** Illinois	**Zip:** 61362
Region: Rockford	**Inspection Date:** 12/28/93 **Time:** 11:00 A.M. - 11:30 A.M.	
Weather: Clear, 0 F		

TYPE OF FACILITY

Notified As: TSD, TRANS.	**Regulated As:** Non-handler
LDF? No **HPV?**	**90-Day F/U Required?:** No

TYPE OF INSPECTION

CEI: X	**Sampling:**___	**Citizen Complaint:**___	**Closure:**___	**CME/O&M:**___	**Other:**___
Record Review:___	**Follow-up Inspection of:**			**Withdrawl:** ___	

NON-REGULATED STATUS

SQG: ___	**Claimed Non-handler:** X	Other (specify in narrative):___

Part A

Notification Date: 8/15/80	from initial notification
Initial Part A Date: 11/24/80	
Part A Withdrawl Requested: 10/9/90	**Approved by IEPA:** 2/26/91

PART B PERMIT APPLICATION

Part B submitted: No	**Final Permit Issued:** N/A

ENFORCEMENT

Has the firm been referred to:	**USEPA:** No	
Ill. Attorney General: No		**County States Attorney:** No

ORDERS ISSUED

CACO: N/A	**CAFO:** N/A	**Consent Decree:** N/A
Fed. Court Order: N/A	**State Court Order:** N/A	**IPCB ORDER:** N/A

TSD FACILITY ACTIVITY SUMMARY

Activity by Process Code	On Part A	Activity Conducted Prior to 1980	Was Activity Ever Done	Closed	Being done at time of insp.?	Exempt per 35 IAC, Sec.	On Annual Report 1992	1991	1990
S01	Yes	Unknown	Yes	Yes	No	No	N/A	N/A	N/A
S02	Yes	Unknown	Yes	Yes	No	No	N/A	N/A	N/A
T01	Yes	Unknown	Yes	Yes	No	No	N/A	N/A	N/A

OWNER	OPERATOR
NAME: Stewart-Warner Corp.	NAME: Stewart Warner Bassick Corp.
ADDRESS: 799 Biermann Court	ADDRESS: 1320 Goodyear
CITY: Mount Prospect	CITY: El Paso
STATE: Illinois ZIP: 60056	STATE: Texas ZIP: 79936
PHONE #: 708/391-1300	PHONE #: 915/592-5144

PERSON(S) INTERVIEWED	TITLE	PHONE #
No One Available		

INSPECTION PARTICIPANT(S)	AGENCY/TITLE	PHONE #
Greg Kazmerski	IEPA/EPS	815/987-7760

PREPARED BY	AGENCY/TITLE	PHONE #
Greg Kazmerski	IEPA/EPS	815/987-7760

SUMMARY OF APPARENT VIOLATIONS

Area	Class	Section

Area	Class	Section

Area	Class	Section

Facility Name: Stewart Warner-Bassick
USEPA #: ILD005444930
IEPA #: 0111000003

WASTE DISPOSITION FORM

Waste Name (include haz & waste for which no determination has been made)	Generating Process (For waste gen. on site. N/A for TSD)	Date of Last Analysis	USEPA Haz Waste #	*On 8700-12	*On 3510-3	On Annual Report for: (Circle if present; cross out if not present) *199_ G/F	*199_ G/F	*199_ G/F	Amount on Site	Rate of Generation	Last Manifested Shipment	Disposition
NONE						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				
						G/F	G/F	G/F				

RECEIVED
JAN 10 1994
IEPA-DLPC

*All "NO" responses must be explained in narrative

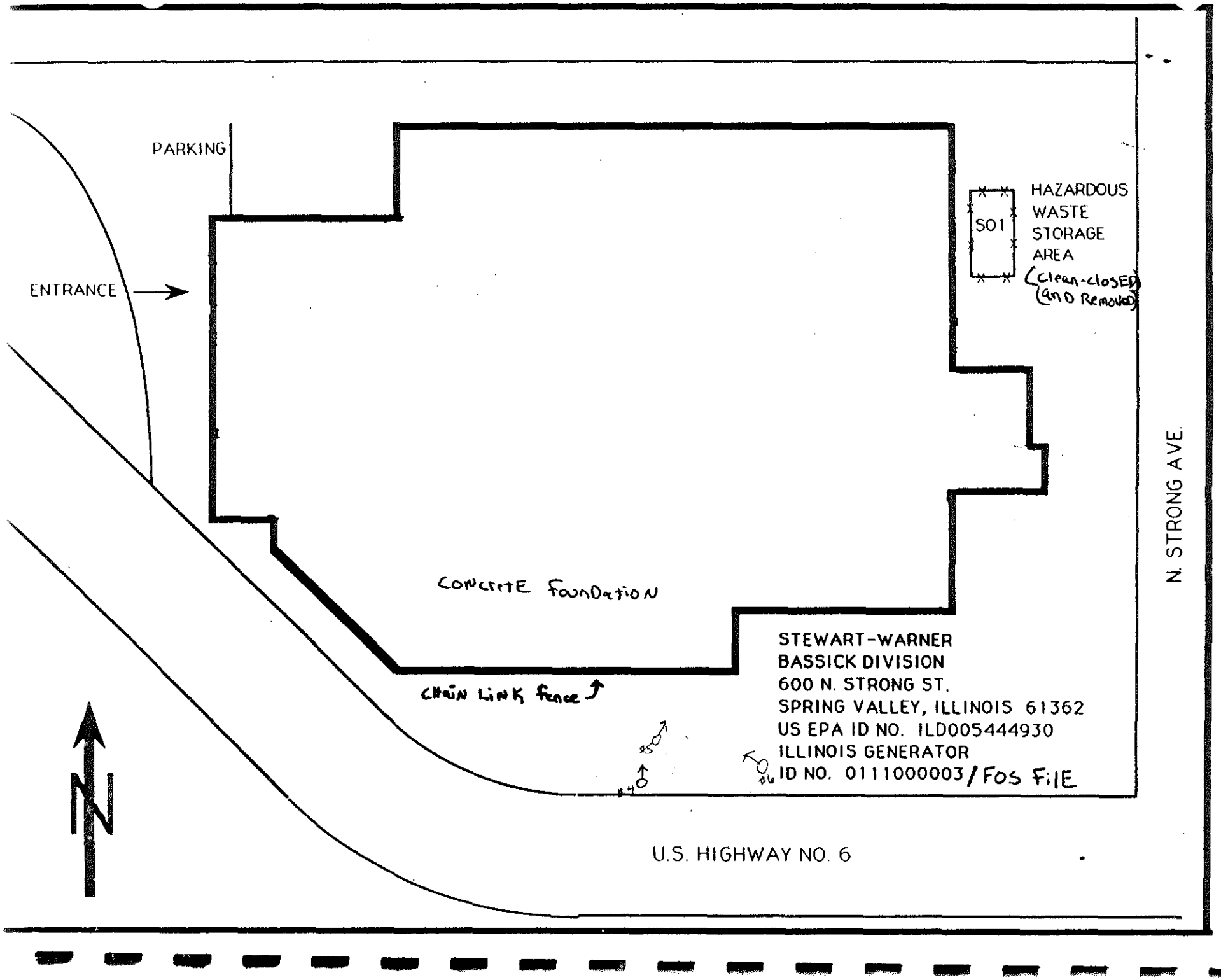
0111000003--Bureau County
Stewart Warner-Bassick
FOS File

REMARKS

On December 28, 1993 I (Greg Kazmerski) attempted to hold a compliance evaluation inspection at Stewart-Warner Bassick Division in Spring Valley, Illinois. Nobody was available, as detailed later in the remarks, from Bassick during the inspection.

Bassick at one time produced casters and wheels for furniture. Operations at the facility included electroplating and assembly work. At one time the facility was regulated as a full quantity generator and a hazardous waste storage facility. As documented in the Agency files, Bassick ceased manufacturing operations in 1985. In 1988, the facility shut down completely. At the time of the inspection, all that remained of the facility was a cement foundation surrounded by chain link fence with barbed wire (photos 5 and 6). The agency sent a letter stating that the hazardous waste storage areas had been closed according to the approved closure plan and that their part A application had been withdrawn on February 26, 1991. A December 31, 1992 correspondence from the Compliance Unit to Bassick stated that all outstanding violations have been resolved and a February 3, 1992 correspondence from FOS headquarters to USEPA Region 5 asks that the facility be removed from the agency's inspection commitment for FY92.

No violations were cited as this facility no longer exists.


PARKING
ENTRANCE
S01
HAZARDOUS WASTE STORAGE AREA
(clean-closed and Removed)
CONCRETE foundation
CHAIN LINK fence
N. STRONG AVE.
STEWART-WARNER
BASSICK DIVISION
600 N. STRONG ST.
SPRING VALLEY, ILLINOIS 61362
US EPA ID NO. ILD005444930
ILLINOIS GENERATOR
ID NO. 0111000003/FOS FILE
#5
#4
#6
N
U.S. HIGHWAY NO. 6

Illinois Environmental Protection Agency 2200 Churchill Road, Springfield, IL 62706

217/782-6761

Refer to: 0111000003 -- Bureau County
Bassick Company
ILD005444930
RCRA - Permits

Attn: Environmental Coordinator
or Plant Manager

May 6, 1988

Bassick Company
600 N. Strong Street
Spring Valley, IL 61362

Dear Sir:

According to Agency files, your facility currently manages hazardous waste in containers and/or tanks subject to the requirements of 35 IAC 700-725. 35 IAC 703.157(f) states that interim status for any hazardous waste storage or treatment facility will be terminated November 8, 1992, unless the facility submits Part B of the RCRA permit application for these units to this Agency by November 8, 1988. This letter is written to (1) make you aware of this requirement and (2) describe the actions which must be taken in response to this requirement.

According to 35 IAC 703.157(f), if an existing facility desires to (1) store hazardous waste on-site for greater than ninety (90) days, (2) treat hazardous waste, or (3) store hazardous waste as a commercial facility after November 8, 1992, it must submit Part B of the RCRA permit application to this Agency by November 8, 1988. The information which must be contained in this application is described in 35 IAC 703, Subpart B. The enclosed document, entitled "RCRA Permit Guidance" provides more detail regarding the necessary contents of the application and also identifies several guidance documents which will be useful in developing the application. Also included in this document is the form which must be used when submitting the application.

If a facility does not desire to continue storing and/or treating hazardous waste after November 8, 1992, it must close the storage and/or treatment unit(s) present at the facility prior to this date. Closure, in this instance, basically means that all contamination must be removed from the unit(s) and if necessary, from the area surrounding these units. The requirements which must be met in closing these units are contained in 35 IAC 725, Subpart G. For you convenience, guidance for the development of a closure plan is contained in the enclosed document entitled "Instructions for the Preparation of Closure Plans for Interim Status RCRA Hazardous Waste Facilities." PLEASE NOTE THAT A CLOSURE PLAN DOES NOT NEED TO BE SUBMITTED AT THIS TIME. IT MUST HOWEVER, BE SUBMITTED TO THE AGENCY NO LATER THAN MAY 8, 1992.

In some instances, there may be several interim status hazardous waste management units at a facility. The facility may desire to pursue a final RCRA permit for a portion of these units and close the rest of them. Because of the uncertainty associated with this option, all interim status units at a facility must be included in Part B of the RCRA permit application, unless a closure plan for the units being closed is submitted with the Part B. If a closure plan is submitted with the Part B, the application need only address those units which will remain in operation.

The only alternatives available for hazardous waste treatment and storage facilities to meet the requirements of 35 IAC 703.157(f) are (1) submit Part B of the RCRA permit application by November 8, 1988 or (2) close by November 8, 1992. However, some facilities may have previously filed Part A of the RCRA permit application in error and now feel that the hazardous waste management activities carried out at the facility do not require a RCRA permit (i.e. the Part A was filed for protective measures). If this is the case, the Agency requests that information supporting this position be submitted no later than November 8, 1986. The Agency can then review the information submitted and correct its records accordingly. The information which must be submitted to make this demonstration is contained in the enclosed document entitled "Facility Part A Withdrawal Request Form."

Finally, some facilities may have closed or are currently closing in accordance with an IEPA approved closure plan. (Please bear in mind this letter is going out to over 200 facilities; some closed facilities may inadvertently receive this letter.) In this instance, the Agency requests that a copy of (1) the closure plan approval letter and (2) the letter from the Agency accepting the certifications of the owner/operator and the rgistered professional engineer that closure was carried out in accordance with the approved closure plan (if closure has been completed) be submitted by November 8, 1988. The Agency will again be able to review this information and correct its records accordingly.

Because of the large number of facilities subject to the requirements of 35 IAC 703.157(f), the Agency requests that all facilities receiving this letter complete the enclosed form entitled "RCRA Permit Information Form." The form has been developed such that it can be used by a facility falling into any of the five categories described above (pursuing a final permit, planning to close, pursuing a permit for only a portion of the interim status units and closing the other units, protective filers, closed in accordance with an IEPA approved closure plan). This form must be submitted to the Agency no later than November 8, 1986, along with all required attachments. Failure to do so may subject a facility to enforcement under State and/or Federal regulations and possible monetary penalties up to $25,000 per day of noncompliance.

The RCRA Permit Information Form and all required attachments must be submitted in triplicate (original and two (2) copies) to the following address:

Permit Section, RCRA Unit
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
P.O. Box 19276
Springfield, IL 62794-9276

If you have any questions regarding this letter, please contact Jim Moore at 217/782-9875.

Very truly yours,

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:JKM:mab/1203j/1204j/

Enclosures

cc: Division File
Compliance
Rockford Region
USPEA Region V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

08 APR 1988

5HS-12

Mr. Garry Frashefski
Stewart Warner Corp.
600 N. Strong Street
Spring Valley, Illinois 61362

Re: Land Disposal Restrictions
Stewart Warner Corp.
ILD 005 444 930

Dear Mr. Frashefski:

On February 19, 1988, the Illinois Environmental Protection Agency (IEPA), representing the U.S. Environmental Protection Agency (U.S. EPA), conducted a land disposal restrictions inspection of the above-referenced facility. The purpose of the inspection was to determine the facility's compliance with respect to the Federal Land Disposal Restrictions. The land disposal restrictions for F001-F005 spent solvents became effective on November 8, 1986, (40 CFR Part 268, and revisions to 40 CFR Parts 260-265 and 270) and for "California List" hazardous wastes on July 8, 1987, (52 Federal Register 25760: revisions to 40 CFR Parts 262, 264, 265, 268, and 270-271).

As a result of the inspection, your facility was found to be a non-generator of F001-F005 spent solvents. Therefore, the LDR requirements do not apply to your facility at this time. A copy of the inspection report is enclosed for your records.

If you have any questions regarding this correspondence, please contact Gertrud Matuschkovitz of my staff at (312) 353-7921.

Sincerely yours,

Paul E. Dimock, Chief
IL/MI/WI Enforcement Program Section

Enclosure

cc: Harry Chappel, IEPA
Glenn Savage, IEPA

5HS-12:GMATUSCHKOVITZ:4/6/88:ev DISK #2

CONCURRENCES

SYMBOL								
SURNAME	G.V.	QM	EI					
DATE	4/7/88	4-7-88	4/9/88					

EPA Form 1320-1 (12-70) OFFICIAL FILE COPY

*U.S. GPO : 1984-436-836

Illinois Environmental Protection Agency · 2200 Churchill Road, Springfield, IL 62706

217/782-6762

Refer to: 0110000003 -- Bureau County
Spring Valley/Bassick (Div. of Stuart-Warner)
ILD005444930
RCRA General

February 25, 1987

Karl E. Bremer, Chief
Technical Program Section
U.S. Environmental Protection Agency
Region V
230 South Dearborn
Chicago, Illinois 60604

Dear Mr. Bremer:

Enclosed you will find the following:

1. The Initial Screening for Environmental Significance form for the above referenced facility.

2. A copy of the Certification Regarding Potential Releases from Solid Waste Management Units for the above referenced facility and/or the reply the Agency received in response to our request for information regarding the above.

The following form(s) were not on file at the IEPA for this facility:

5. Notification of Hazardous Waste Site (EPA Form 8900-1).

5. Preliminary Assessment (EPA Form 2070-12).

Based upon a review of the information available on the above referenced facility, the Agency has determined that this facility is not environmentally significant and that a Facility Management Plan should not be prepared. Please let us know if you do not agree with this determination.

If you have any questions regarding this initial screening, please contact Eugene W. Dingledine of my staff at 217/785-2892.

Very truly yours,

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:EWD:bls/1626g,42,43

Enclosure

cc: Division File
USEPA Region V -- Mary Murphy
FOS Rockford Region

D. Corrective Action

Determination: NFA

PA/VSI Or RFA FILE REVIEW CHECKLIST

Facility Name: Stewart Warner (Bassick Div.)_____

EPA ID: ILD 005 444 930_____ City: Spring Valley_____ State: IL__

Name of Reviewer: Maureen McHugh_____ Date of Review: 7/30/08_____

1	Yes	No	Is this a one folder site?
2	Yes	No	Are there Superfund files for this site?
3	Yes	No	Did you Read the Executive Summary?
			There are: ____4_ SWMUs and ___0__ AOCs at this site.
4	Yes	No	Did you review the regulatory history?
5	Yes	No	Does the facility have interim status or a permit? (withdrawn)
			This facility is a: _____ SQG, _____ LQG, or _____ Less than 90 day.
6	Yes	No	Was the Facility closed per RCRA? RCRAInfo 380 (1991)
			If Yes, was the closure: __X__ CC, or _____ CIP.
7	Yes	No	Are there documented (historical) releases? Briefly describe on Page 2.
8	Yes	No	Were there releases identified during the inspection? Briefly describe on Page 2.
9	Yes	No	Do you agree with the Conclusions and Recommendations?
			If No, briefly describe on Page 2.

As a result of your review of the PA/VSI or RFA file, please classify this site as:

__X__ No further corrective action recommended or warranted: These are sites that closed the regulated units and any other SWMUs or AOCs at the site did not warrant any further corrective action (no historic releases or evidence of releases observed during the Visual Site Inspection).

_____ Further Action Required: Soil or sediment sampling or groundwater sampling or monitoring or any type of investigation that was recommended in the report in response to a documented or observed release at any SWMU or AOC and where such investigation, whether being addressed during the inspection or after, does not have the necessary documentation in the facility record files.

_____ More Information Needed: There is no RFA, PA/VSI or RCRA closure information available.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

HRE-8J

January 25, 1993

Ms. Jeanine Landow Esser
Holleb & Coff
55 East Monroe Street, Suite 4100
Chicago, Illinois 60603

Re: Visual Site Inspection
Stewart-Warner Corporation
Bassick Division
Spring Valley, IL
ID No. ILD 005 444 930

Dear Ms. Esser:

As indicated in the letter of introduction sent to you on July 6, 1992, the U.S. Environmental Protection Agency is enclosing a copy of the final Preliminary Assessment/Visual Site Inspection (PA/VSI) report for the referenced facility. The executive summary and conclusions and recommendations sections have been withheld as Enforcement Confidential.

If you have any questions, please call Francene Harris at (312) 886-2884.

Sincerely yours,

Francene D. Harris

Kevin M. Pierard, Chief
Minnesota/Ohio Technical Enforcement Section
RCRA Enforcement Branch

HRE-8J

JAN 21 1993

Mr. Jim Lucari
Holleb & Coff
55 East Monroe Street
Suite 4100
Chicago, Illinois 60603

Re: Stewart-Warner Corporation
ILD 005 444 930

Dear Mr. Lucari:

Per your request of January 13, 1993, enclosed please find a copy of the Preliminary Assessment/Visual Site Inspection for the referenced facility.

The executive summary and conclusions and recommendations section have been withheld as enforcement confidential.

If you have any questions, please contact me at (312) 886-4448.

Sincerely yours,

ORIGINAL SIGNED BY
KEVIN M. PIERARD

Kevin M. Pierard, Chief
Minnesota/Ohio Technical Enforcement Section
RCRA Enforcement Branch

Enclosure

HRE-8J:FHARRIS:6-2884:1/21/93:RESPONSE/MASTER.RES/LIST3

OFFICIAL FILE COPY

CONCURRENCE REQUESTED FROM REB			
OTHER STAFF	REB STAFF	REB SECTION CHIEF	REB BRANCH CHIEF
	FH 1/21/93	1-21-93	

PRC Environmental Management, Inc.
233 North Michigan Avenue
Suite 1621
Chicago, IL 60601
312-856-8700
Fax 312-938-0118

PRELIMINARY ASSESSMENT/ VISUAL SITE INSPECTION

STEWART-WARNER CORPORATION BASSICK DIVISION SPRING VALLEY, ILLINOIS ILD 005 444 930

FINAL REPORT

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, DC 20460

Work Assignment No.	:	C05087
EPA Region	:	5
Site No.	:	ILD 005 444 930
Date Prepared	:	December 18, 1992
Contract No.	:	68-W9-0006
PRC No.	:	009-C05087-IL6Q
Prepared by	:	Resource Applications, Inc. (Laura Czajkowski)
Contractor Project Manager	:	Shin Ahn
Telephone No.	:	(312) 856-8700
EPA Work Assignment Manager	:	Kevin Pierard
Telephone No.	:	(312) 886-4448

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

EXECUTIVE SUMMARY

Resource Applications, Inc. (RAI) performed a preliminary assessment and visual site inspection (PA/VSI) to identify and assess the existence and likelihood of releases from solid waste management units (SWMU) and other areas of concern (AOC) at the Stewart-Warner Corporation, Bassick Division (Bassick) facility in Spring Valley, Bureau County, Illinois. This summary highlights the results of the PA/VSI and the potential for releases of hazardous wastes or hazardous constituents from SWMUs and AOCs identified. In addition, a completed U.S. Environmental Protection Agency (EPA) Preliminary Assessment Form (EPA Form 2070-12) is included in Attachment A to assist in prioritizing RCRA facilities for corrective action.

The Bassick facility manufactured furniture casters and glides. The facility had an electroplating line operation that was shut down in 1985. All plant operations ceased in 1988. The facility generated and managed the following waste streams: cyanide solution (F007), chromium sludge (D007), plating bath residues (F008), wastewater treatment sludge (F006), and plating bath solutions (D002, D003).

The facility had operated at its current location since September 1, 1958. The facility occupies 6 acres in an industrial, commercial, residential mixed-use area and employed about 150 people. Bassick submitted a Notification of Hazardous Waste Activity form to EPA on August 12, 1980. Bassick submitted a RCRA Part A permit application on November 17, 1980. The application listed a tank treatment unit (T01) with a 360,000 gallon per day capacity. The application listed an F006 waste. The T01 unit was the Former Electroplating Tanks and Lines (SWMU 2). Bassick amended their Part A permit application in May 1982 and clarified that the T01 unit listed on the application was a holding tank, not a treatment tank. This permit application was the same as the first, except it explained what the T01 unit was. Bassick amended their Part A permit application a third time in April 1988. This application listed a container storage unit (S01) with a 6,300 gallon capacity. The application listed the following wastes: D001, D002, D007, F007, F008, and polychlorinated biphenyl (PCB) oil. The facility's regulatory status was that of a generator and hazardous waste treatment, storage, or disposal (TSD) facility. The facility was shut down and its operations relocated to a different plant in 1988. The facility went through RCRA closure for two units; an S01 unit, the Former Outdoor Hazardous Waste Storage Area (SWMU 4); and a T01 unit,

the Former Electroplating Tanks and Lines (SWMU 2) in 1991. The Former Electroplating Tanks and Lines (SWMU 2) went through RCRA closure because the plating wastes were stored there from 1985 to 1988. IEPA approved the closure and IEPA withdrew the facility's Part A permit application.

The Bassick facility was built in 1958. In 1987, British Tire and Rubber, Inc. (BTR) purchased all of the Stewart-Warner Corporation facilities. The facility ceased manufacturing operations in 1988. In June 1992, asbestos removal was performed at the facility. M and O Insulation Company of Peoria, Illinois performed the removal of asbestos throughout the facility. Specifically, asbestos was removed from around pipes, two gaskets on the boilers, partition walls, and the tile floors in the northwest and southeast offices. The facility is scheduled for demolition by the fall of 1992.

The PA/VSI identified the following four SWMUs at the facility:

Solid Waste Management Units

1. Former Indoor Storage Area
2. Former Electroplating Tanks and Lines
3. Drum Storage Area
4. Former Outdoor Hazardous Waste Storage Area

No areas of concern were identified at the facility.

The nearest school, a high school, is located 0.2 mile south of the facility. Other schools located within a mile of the facility: Kennedy Grammar School located 0.25 mile north, Grant School located 0.25 mile south, Immaculate Conception School located 0.4 mile west, Lincoln School located 0.5 mile west.

Ground water is used as a municipal water supply. The two municipal ground water wells are located at Taylor and 2nd Street (Unit well #10) and at the end of Pond City Drive (Unit well #11). Unit well #10 is located 0.2 mile east of the facility and unit well # 11 is located 0.25 mile north of the facility.

The nearest surface water body, an unnamed pond, is located 0.75 mile east of the facility by a mine and is not used for recreational, agricultural, industrial, or municipal water supply purposes. The Illinois River is located 1.2 miles south of the facility and is used for industrial and recreational purposes.

Sensitive environments are not located on site. The nearest sensitive environment is a wetland area located 0.3 mile north of the facility. This wetland is classified as palustrine, emergent, temporarily flooded, farmed.

The potential for release to all environmental media from all SWMUs is low. Currently, only the Drum Storage Area (SWMU 3), is active and is storing two drums of PCB oil. The Former Indoor Storage Area (SWMU 1) has been inactive since 1986 and was used to store rolling mill special waste in a 10,000-gallon concrete pit. The Former Outdoor Hazardous Waste Storage Area (SWMU 4) stored hazardous wastes on a bermed concrete pad that is completely fenced. SWMU 4 was RCRA closed in 1991 with approval from IEPA. SWMU 2 was also RCRA closed in 1991 with the approval of IEPA. In the area of the former fuel oil UST, approximately 224 cubic yards of fuel oil-contaminated soil were removed. Ground water sampling in this area was performed on November 18, 1988, and the results determined that toluene and xylene levels were slightly above detection limits. Soil sampling performed after excavation of the UST determined that benzene, toluene, ethylbenzene, xylene, and polynucleated aromatics were below detection limits. IEPA sent a letter dated February 22, 1989 to Bassick stating that no further remediation was necessary in the area of the fuel oil UST. Soil sampling results in the area of the former fuel oil UST are included in Attachment D.

RAI recommends no further action at this time for SWMUs 1 through 4.

1.0 INTRODUCTION

PRC Environmental Management, Inc. (PRC), received Work Assignment No. C05087 from the U.S. Environmental Protection Agency (EPA) under Contract No. 68-W9-0006 (TES 9) to conduct preliminary assessments (PA) and visual site inspections (VSI) of hazardous waste treatment and storage facilities in Region 5. Resource Applications, Inc. (RAI), TES 9 team member, provided the necessary assistance to complete the PA/VSI activities for the Stewart-Warner Corporation, Bassick Division (Bassick).

As part of the EPA Region 5 Environmental Priorities Initiative, the RCRA and CERCLA programs are working together to identify and address RCRA facilities that have a high priority for corrective action using applicable RCRA and CERCLA authorities. The PA/VSI is the first step in the process of prioritizing facilities for corrective action. Through the PA/VSI process, enough information is obtained to characterize a facility's actual or potential releases to the environment from solid waste management units (SWMU) and areas of concern (AOC).

A SWMU is defined as any discernible unit at a RCRA facility in which solid wastes have been placed and from which hazardous constituents might migrate, regardless of whether the unit was intended to manage solid or hazardous waste.

The SWMU definition includes the following:

- RCRA-regulated units, such as container storage areas, tanks, surface impoundments, waste piles, land treatment units, landfills, incinerators, and underground injection wells
- Closed and abandoned units
- Recycling units, wastewater treatment units, and other units that EPA has usually exempted from standards applicable to hazardous waste management units
- Areas contaminated by routine and systematic releases of wastes or hazardous constituents. Such areas might include a wood preservative drippage area, a loading or unloading area, or an area where solvent used to wash large parts has continually dripped onto soils.

An AOC is defined as any area where a release of hazardous waste or constituents to the environment has occurred or is suspected to have occurred on a nonroutine and nonsystematic basis. This includes any area a strong possibility exists that such a release might occur in the future.

The purpose of the PA is as follows:

- Identify SWMUs and AOCs at the facility
- Obtain information on the operational history of the facility
- Obtain information on releases from any units at the facility
- Identify data gaps and other informational needs to be filled during the VSI

The PA generally includes review of all relevant documents and files located at state offices and at the EPA Region 5 office in Chicago.

The purpose of the VSI is as follows:

- Identify SWMUs and AOCs not discovered during the PA
- Identify releases not discovered during the PA
- Provide a specific description of the environmental setting
- Provide information on release pathways and the potential for releases to each medium
- Confirm information obtained during the PA regarding operations, SWMUs, AOCs, and releases

The VSI includes interviewing appropriate facility staff; inspecting the entire facility to identify all SWMUs and AOCs; photographing all visible SWMUs; identifying evidence of releases; making a preliminary selection of potential sampling parameters and locations, if needed; and obtaining additional information necessary to complete the PA/VSI report.

This report documents the results of a PA/VSI of the Bassick facility (EPA Identification No.

ILD 005 444 930) in Spring Valley, Bureau County, Illinois. The PA was completed on July 7, 1992. RAI gathered and reviewed information from the Illinois Environmental Protection Agency (IEPA) and from EPA Region 5 RCRA files. RAI also reviewed relevant documentation from the U.S. Department of Agriculture (USDA), U.S. Department of Interior (USDI), and the U.S. Geological Survey (USGS). The VSI was conducted on July 9, 1992. It included interviews with facility representatives and a walk-through inspection of the facility. RAI identified four SWMUs at the facility.

RAI completed EPA Form 2070-12 using information gathered during the PA/VSI. This form is included as Attachment A. The VSI is summarized and nine inspection photographs are included in Attachment B. Field notes from the VSI are included in Attachment C. The Underground Storage Tank Removal Report is included as Attachment D.

2.0 FACILITY DESCRIPTION

This section describes the facility's location; past and present operations; waste generating processes and waste management practices; a history of documented releases; regulatory history, environmental setting; and receptors.

2.1 FACILITY LOCATION

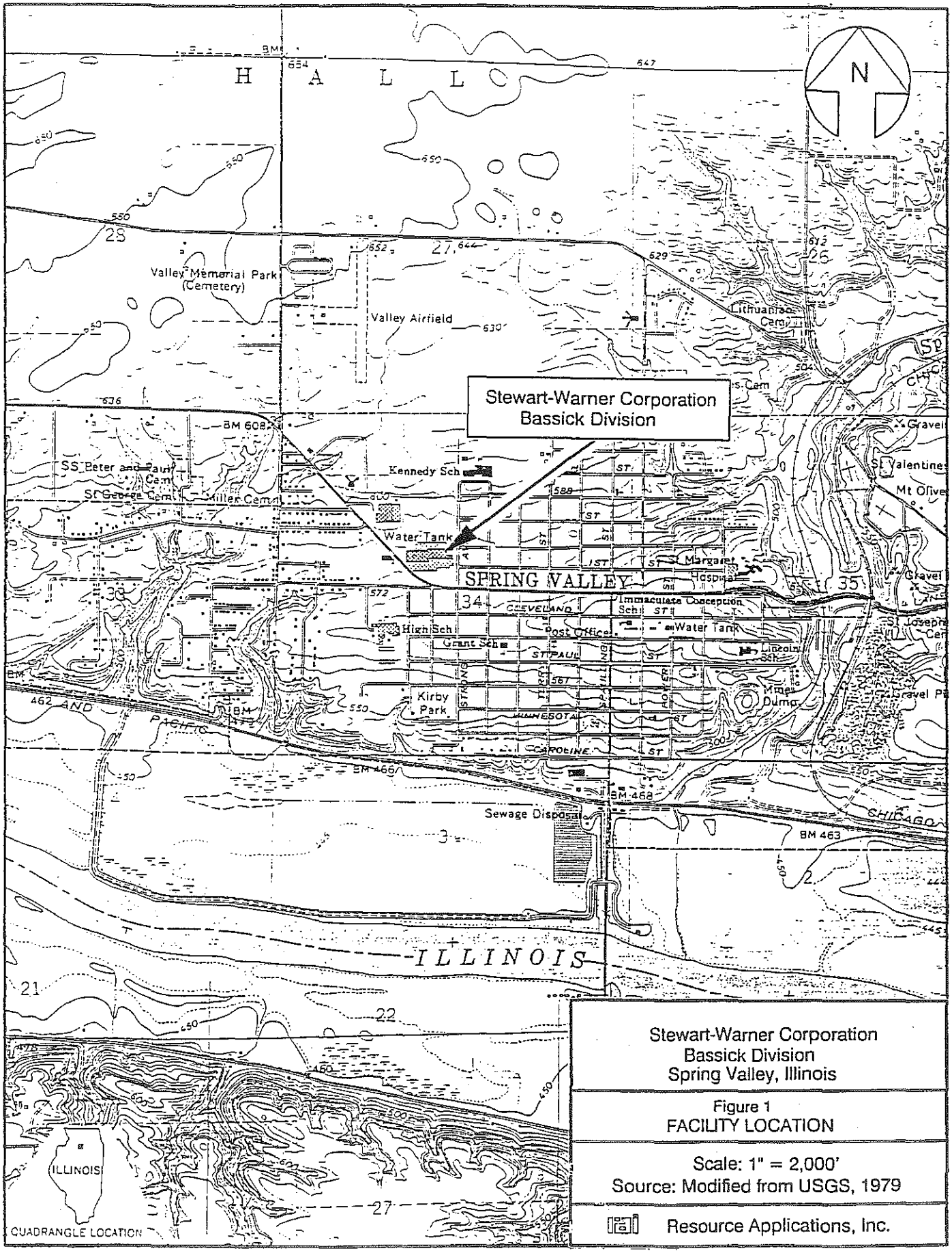
The Bassick facility is located at 600 North Strong Street in Spring Valley, Bureau County, Illinois (latitude 41°19'45" N and longitude 89°12'30" W) as shown in Figure 1. The facility occupies six acres in an industrial, commercial, and residential mixed-use area.

The facility is bordered on the north by empty fields and then Stewart-Warner Hobbs Corporation beyond that, on the west by U.S. Highway 6 and residences, on the south by a Hardee's Restaurant, and on the east by commercial businesses and residences.

2.2 FACILITY OPERATIONS

The Bassick facility manufactured furniture casters and glides from 1958 to 1985. The facility was built in 1958 by Stewart-Warner Corporation. Before 1958, the site was prairie land. The facility continued operations of manufacturing furniture casters and glides until 1985. In 1987, British Tire and Rubber, Inc. (BTR) purchased all of the Stewart-Warner Corporation plants. The facility was closed in 1988 and the property has been for sale since 1990. The facility and water tower are scheduled for demolition in the fall of 1992. Bassick operated at the facility from 1958 to 1988 and employed about 150 people.

The facility had an electroplating operation that generated hazardous wastes. The electroplating operations ceased in 1985 and the facility was shut down in 1988. Between 1985 and 1988, the manufacturing equipment was dismantled and sold. The manufactured casters and glides were tooled, polished, plated, assembled, and riveted at the plant. The finished products were packaged and stored at the site until transport. During electroplating operations the following hazardous wastes were generated: waste cyanide solution (F007), chromium sludge (D007), plating


N
Stewart-Warner Corporation
Bassick Division
SPRING VALLEY
Valley Memorial Park
(Cemetery)
Valley Airfield
Lithuanian Cem
Kennedy Sch
Water Tank
St Margaret
Hospital
Immaculate Conception
Sch
High Sch
Post Office
Grant Sch
Lincoln Sch
Kirby
Park
Mines
Dump
Sewage Disposal
SS Peter and Paul
Cem
St George Cem
Miller Cem
St Valentines
Mt Olive
St Joseph
Cem
Gravel
Gravel Pit
BM 608
BM 466
BM 468
BM 463
ILLINOIS
CHICAGO
ILLINOIS
QUADRANGLE LOCATION
Stewart-Warner Corporation
Bassick Division
Spring Valley, Illinois
Figure 1
FACILITY LOCATION
Scale: 1" = 2,000'
Source: Modified from USGS, 1979
Resource Applications, Inc.

bath residues (F008), settling tank sludge (F006), and plating bath solutions (D002, D003).

Solid wastes generated from facility operations and the SWMUs where they were managed are discussed in detail in Section 2.3.

The main building at the facility housed all the manufacturing and plating operations. Offices were located on the east and west sides of the facility. Along the north wall of the facility is where the rolling mill area was located. The manufactured casters were placed into the rolling mill unit which tumbled the casters to remove the metal nubs and smooth the rough edges of the casters. Steel slugs (the size of a nickel), emery grit, and water were added to the rolling mill unit to polish the casters. The casters were then rinsed with water and then plated. IEPA designated the rolling mill waste as special waste that was generated from this operation. The rolling mill special waste was stored in a concrete pit (SWMU 1). Robertson's Disposal removed this waste directly from the pit by pumping it into a tanker truck. The waste was landfilled at Indian Creek Landfill in Hopedale, Illinois. The former brass, chromium, and zinc plating operations were located south of SWMU 1. Electroplating operations generated three waste streams: chromium, cyanide, and acid alkaline. Loading docks are located on the east side of the facility. Parking lots are located on the west and south sides of the facility. A small quality control laboratory that inspected the electroplated finishes on parts was located at the facility east of the plating lines. The facility is approximately 266,000 square feet.

Three USTs were used at the Bassick facility to store product; a 25,000-gallon fuel oil UST, a 500-gallon gasoline UST, and a 10,000-gallon fuel oil UST. The 25,000-gallon and 500-gallon USTs were removed from the facility on October 6, 1988. The 25,000-gallon UST was located outdoors on the south side of the facility. The 500-gallon UST was located outdoors on the east side of the facility. The 10,000-gallon UST was located indoors in the area of the boiler room. The 10,000-gallon UST was closed-in-place and filled with sand in October 1988. Contamination was present in the area of the 25,000-gallon UST and is discussed further in Section 2.4.

2.3 WASTE GENERATION AND MANAGEMENT

The facility generated plating wastes during their operations from 1958 to 1985. Specifically,

waste cyanide solution (F007), chromium sludge (D007), plating bath residues (F008), wastewater treatment sludge (F006), plating bath solutions (D002, D003), and wastewater were generated. During plating operations the wastewater was piped to settling tanks (Electroplating Tanks and Lines, SWMU 2) where particles were allowed to settle out, the wastewater was then discharged into the sanitary sewer. Three different settling tanks were used for the different plating lines: chromium, cyanide, and acid alkaline tanks. In 1985, the Sanitary District reported to Bassick that their discharge into the sanitary system was above allowable limits and pretreatment for wastewater was necessary. Bassick discontinued plating operations in 1985 and moved their operations to a facility in El Paso, Texas. The facility SWMUs are identified in Table 1. The facility layout, including SWMUs, is shown in Figure 2. The facility's waste streams are summarized in Table 2.

The facility had cleaned the settling tanks approximately once a year. The plating baths were changed when necessary. An estimate of 10,000 gallons per day of wastewater was discharged into the sanitary sewer system. An inventory of wastes from the plating lines was performed during closure of the facility, approximately 1,000 gallons of waste cyanide solution (F007), 1,000 gallons of chromium sludge (D007), 1,000 gallons of plating residues (F008), and 4,000 gallons of plating bath solutions (D002, D003) were at the facility. No estimate of generation was available for the wastewater treatment sludge (F006), since it had not been generated since 1985. All of these wastes were drummed and stored at the Former Outdoor Hazardous Waste Storage Area (SWMU 4). The cyanide solution (F007), chromium sludge (D007), plating bath residues (F008), wastewater treatment sludge (F006), and plating bath solutions (D002, D003) were stored in the Former Electroplating Tanks and Lines (SWMU 2) when they were taken out of operation in 1985 until their removal in 1988 by Peoria Disposal Company of Peoria, Illinois. The wastewater was discharged into the sanitary sewer. In the past, the electroplating wastes were transported by A-1 Disposal Corporation to Chem-Met Services in Wyandotte, Michigan for disposal.

Two 55-gallon drums containing PCB oil were generated when capacitors were removed. The PCB oil is waiting to be disposed of off-site and is currently stored in the Drum Storage Area (SWMU 3).

The facility also generated special waste from the rolling mills operation. The rolling mill special waste consisted of the removed metal nubs from the casters, emery grit, and water.

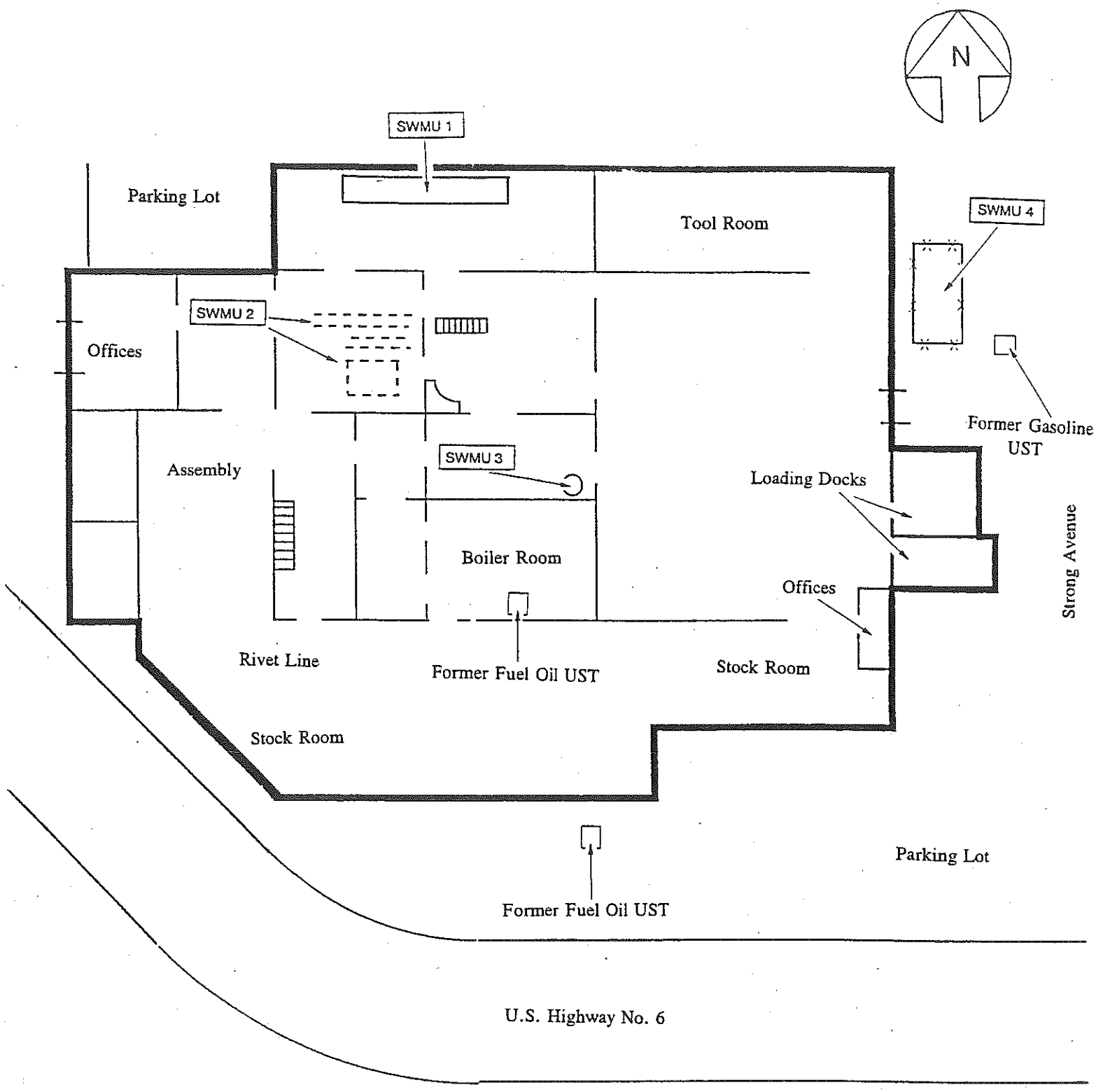
TABLE 1

SOLID WASTE MANAGEMENT UNITS

SWMU Number	SWMU Name	RCRA Hazardous Waste Management Unit[a]	Status
1	Former Indoor Storage Area	No	Inactive
2	Former Electroplating Tanks and Lines	Yes	Inactive, RCRA closed for greater than 90-day storage of hazardous waste in 1991.
3	Drum Storage Area	No	Active
4	Former Outdoor Hazardous Waste Storage Area	Yes	Inactive, RCRA closed for greater than 90-day storage of hazardous wastes in 1991.

Note:

[a] A RCRA hazardous waste management unit is one that currently requires or formerly required submittal of a RCRA Part A or Part B permit application.



Solid Waste Management Units (SWMU)

1. Former Indoor Storage Area
2. Former Electroplating Tanks and Lines
3. Drum Storage Area
4. Former Outdoor Hazardous Waste Storage Area

Stewart-Warner Corporation
Bassick Division
Spring Valley, Illinois

Figure 2
FACILITY LAYOUT

Scale: 1" = 90'
Source: Modified from Stewart sketch received by RAI on July 9, 1992

Resource Applications, Inc.

TABLE 2

SOLID WASTES

Waste/EPA Waste Code[a]	Source	Solid Waste Management Unit[b]
Waste cyanide solution/F007	Plating operations	2 and 4
Chromium sludge/D007	Plating operations	2 and 4
Plating bath residues/F008	Plating operations	2 and 4
Wastewater treatment sludge/F006	Plating operations	2 and 4
Plating bath solutions/D002, D003	Plating operations	2 and 4
Wastewater	Plating/ rolling mill operations	None, wastewater was discharged into the sanitary sewer.
PCB oil/ORM[c]	Capacitors	3
Fuel oil and soil	Removal of UST	None, waste was directly removed from site.
Rolling mill special waste/NA	Rolling mill operation	1
Rinse water/NA	Rolling mill operation	None, rinse water was discharged into the sanitary sewer.
Asbestos/ORM	Asbestos removal from building	None, waste was directly removed from site.

Notes:

[a] Not applicable (NA) designates nonhazardous waste.

[b] "None" indicates that the waste stream is not managed on site.

[c] Other Regulated Material (ORM)

It is unknown if the rolling mill special waste had any hazardous constituents. The rolling mills special waste entered the concrete pit through a metal grate that was located in the center of a 100 foot by 20 foot bermed area. Robertson's Disposal removed this waste directly from the pit by pumping it into a tanker truck. The waste was landfilled at Indian Creek Landfill in Hopedale, Illinois. Estimated annual generation rate for the rolling mill waste was 20,000 gallons. Rinse water generated from rinsing the casters after their removal from the rolling mill unit was discharged into the sanitary sewer.

In June 1992, asbestos was removed from the facility. The removed asbestos was landfilled at Statesland Landfill in Ottawa, Illinois. M and O Insulation Company of Peoria, Illinois performed the removal of asbestos throughout the facility. Specifically, asbestos was removed in June 1992 from around pipes, two gaskets on the boilers, partition walls, and the tile floors in the northwest and southeast offices.

2.4 HISTORY OF DOCUMENTED RELEASES

A 25,000 gallon steel UST that stored fuel oil and a 500-gallon UST that stored gasoline were removed at the Bassick facility on October 6, 1988. During removal of the fuel oil UST, xylene was detected in the soil. Approximately 224 cubic yards of fuel-oil contaminated soil was removed. The area was sampled to determine if contamination was present and if more remediation was necessary. Facility representatives stated that 3 to 5 years prior to the removal, the UST was overfilled and approximately 500 gallons of fuel oil spilled onto the parking lot. Facility representatives believe that this spill was the source of the contamination. The UST was in good condition when it was removed. Analysis of ground water and soil samples collected on November 15, 1988 (including a soil boring at a depth of 10 feet and four ground water samples) determined levels of toluene and xylene slightly above detection limits for one of the ground water samples. All other water samples and the soil sample were below detection limits. IEPA determined no further remediation was necessary (IEPA, 1989a). The report with sampling results and the IEPA letter dated February 22, 1989 stating that further excavation was not necessary are included as Attachment D. No other releases have been documented at the facility.

2.5 REGULATORY HISTORY

Bassick submitted a Notification of Hazardous Waste Activity form to EPA on August 12, 1980 (Bassick, 1980a). Bassick submitted a RCRA Part A permit application on November 17, 1980 (Bassick, 1980b). The application listed a tank treatment unit (T01) with a 360,000 gallon per day capacity. The T01 unit was the Former Electroplating Tanks and Lines (SWMU 2). The application also listed an F006 waste. In May 1982, Bassick amended their Part A permit application to state that the T01 unit was a holding tank, not a treatment tank (Bassick, 1982). This permit application was a duplicate of the first one, except for the clarification that the T01 unit had been misnamed a treatment tank in the prior application. Bassick amended their Part A permit application a third time in April 1988 (Bassick, 1988). This application listed a container storage unit (S01) with a 6,300 gallon capacity. The application listed the following wastes: D001, D002, D007, F007, F008, and PCB oil. Bassick RCRA closed two units at the facility in 1991.

The RCRA closed units were: the Former Electroplating Tanks and Lines (SWMU 2), and the Former Outdoor Hazardous Waste Storage Area (SWMU 4). SWMU 2 was RCRA closed because the electroplating tanks and lines stored the plating solutions from 1985 to 1988. IEPA approved closure of two units that managed hazardous wastes in February 1991 (IEPA, 1991a).

Bassick's regulatory status was that of a generator and TSD facility. After the facility went through RCRA Closure in 1991, EPA withdrew the facility's Part A permit application (IEPA, 1991a). All manufacturing and electroplating operations ceased in 1985 and the facility shut down all plant operations by 1988.

The Bassick facility has had RCRA inspections performed by IEPA from 1983 to 1990 (IEPA, 1983a, 1986a, 1988a, 1988b, 1990a). Violations were noted during the 1983 Interim Status Standards (ISS) Inspection, the 1986 ISS inspection, and the 1988 ISS Inspection. The violations consisted of paperwork deficiencies, incomplete inspection records, and lack of contingency plan (IEPA, 1983b, 1986b, 1988c, 1988d). Bassick was also sent Compliance Inquiry Letters for failing to provide Annual Generator Reports in 1987 and 1989 (IEPA, 1987a, 1989b). Bassick has resolved all violations (IEPA, 1986c, 1986d, 1987b, 1988e, 1990b).

The facility was not required to have operating air permits. The facility has no history of odor complaints from area residents. The facility was required to have a municipal wastewater discharge permit, but a copy of it was not in IEPA or EPA files. The facility was not required to have a National Pollutant Discharge Elimination System (NPDES) permit.

Bassick removed a 25,000-gallon steel UST on October 6, 1988. The UST stored #6 fuel oil. During removal, fuel oil was detected in the soil around the UST. Approximately 224 cubic yards of fuel oil and contaminated soil were removed. Further remediation of the area was determined not to be necessary by IEPA (IEPA, 1989a).

2.6 ENVIRONMENTAL SETTING

This section describes the climate; flood plain and surface water; geology and soils; and ground water in the vicinity of the facility.

2.6.1 Climate

The climate in Bureau County is continental. The average daily temperature is 50.5 degrees Fahrenheit (°F). The lowest average daily temperature is 12°F in January. The highest average daily temperature is 90°F in July (Ruffner and Bair, 1985).

The total annual precipitation for the county is 34 inches. The 1-year, 24-hour maximum rainfall is about 5 inches (Ruffner and Bair, 1985).

The prevailing wind is from the west, northwest with an average wind speed of 10 miles per hour (Ruffner and Bair, 1985).

Annual snowfall averages about 26 inches. The growing season is on average approximately 167 days (Ruffner and Bair, 1985).

2.6.2 Flood Plain and Surface Water

The Bassick facility is located outside the 500-year flood plain (Department of Housing and Urban Development, 1975). The nearest surface water body, a pond, is located 0.75 mile east of the facility adjacent to a mine and is not used for recreational, agricultural, industrial, or municipal water supply purposes. The Illinois River is located 1.2 miles south of the facility and is used for industrial and recreational purposes.

2.6.3 Geology and Soils

Site specific information is not available, so regional information is presented here.

The facility is underlain by soils of the Catlin and Flannagan series. The Catlin soils are found over the majority of the property, and consist of a dark gray-brown friable silt loam topsoil, a dark brown friable silt clay loam subsoil, and an underlying light olive brown and grayish brown silt loam. These soils are moderately permeable (0.6 to 2.0 inches per hour) and are well-drained, with the water table generally lying at about 6 feet or slightly deeper. Available water capacity is high (0.15 to 0.2 inch of water per inch of soil). The Flannagan soils are found in the southeastern portion of the facility property. The topsoil is a very dark gray or gray-brown friable silt loam and is underlain by a mottled dark grayish-brown and yellowish-brown firm silty clay loam, becoming more friable at depth. The underlying material is a mottled yellowish-brown loam. This soil group is moderately permeable (0.6 to 2.0 inches per hour) and somewhat poorly drained (the high water table generally lies between 1 and 3 feet). Available water capacity is high (0.15 to 0.2 inch of water per inch of soil) (BCSWCD, 1992).

The unconsolidated deposits, or drift, in the region consist mainly of till, which is large unsorted rock fragments set in a matrix of clay and fine silt. These materials are of Pleistocene age, and the uppermost tills are of Wisconsinan age. Beneath these are some Illinoisan ground moraines. All these deposits were laid down directly by the ice mass, and reach a total thickness of between 25 and 50 feet in the vicinity of the facility (Piskin and Bergstrom, 1975).

The uppermost bedrock underlying the facility is Pennsylvanian in age, and consists

principally of shale, with some thin sandstone, limestone, and coal layers. The Pennsylvanian rocks are generally impermeable and do not serve as an aquifer. However, these strata are underlain by Silurian dolomites and limestones of the Niagaran-Alexandrian series, which are generally water-yielding. In turn, these are underlain (with increasing depth) by the Ordovician Maquoketa Shale, Galena- Platteville dolomite, Glenwood-St. Peter sandstone, and Prairie du Chien dolomite. Both the Galena-Platteville and Glenwood-St. Peter formations are a dependable source of ground water. The exact thickness of the individual units is not known but the upper surface of the Glenwood-St. Peter formation lies at a depth of approximately 1,500 feet. Beneath the Ordovician rocks are the Cambrian Trempelean and Franconia formations, consisting predominantly of sandstones and dolomites. These are underlain by the Ironton-Galesville sandstone, an important, widespread aquifer, the Eau Claire shale and dolomite, and the Mt. Simon sandstone which overlies the Precambrian basement rocks (Hackett and Bergstrom, 1956).

2.6.4 Ground Water

Ground water in the area can be derived from a number of aquifers. The relatively thin sand and gravel drift deposits may yield small ground water supplies for domestic use, and possibilities for such supplies are rated as fair to good in the vicinity of Bassick. The underlying Pennsylvanian shales are generally tight and do not yield any water; however, the Silurian dolomites beneath the shale are a fairly good source of ground water. At greater depths, the Galena-Platteville dolomites, Glenwood-St. Peter sandstones, and the Cambrian Ironton-Galesville sandstones provide more dependable supplies for industries and municipalities (Hackett and Bergstrom, 1956).

The ground water in the area flows in a south to southwest direction. Ground water is used as a municipal water supply. The two municipal ground water wells are located at Taylor and 2nd Streets (Unit well #10) and at the end of Pond City Drive (Unit well #11). Unit well # 10 is located 0.2 mile east of the facility and unit well # 11 is located 0.25 mile north of the facility. The two unit wells were drilled to a depth of 2,800 feet presumably into the Ironton-Galesville sandstone, in order to obtain a reliable ground water source.

2.7 RECEPTORS

The Bassick facility occupies six acres in a mixed-use area in Spring Valley, Illinois. Spring Valley has a population of about 5,800 people.

The Bassick facility is bordered on the north by empty fields and then Stewart-Warner Hobbs Corporation beyond that, on the west by U.S. Highway 6 and residences, on the south by a Hardee's Restaurant, and on the east by a commercial business, Mauntino's Distributors, and residences. The nearest residential area to Bassick, is located 1 block east. The facility is fenced and locked. Since the plant was closed down in 1988, vandalism of the building has occurred, mainly windows have been broken.

The nearest school, a high school, is located 0.2 mile south of the facility. Other schools located within a mile of the facility: Kennedy Grammar School located 0.25 mile north, Grant School located 0.25 mile south, Immaculate Conception School located 0.4 mile west, and Lincoln School located 0.5 mile west.

The nearest surface water body, a pond, is located 0.75 mile east of the facility by a coal mine and is not used for recreational, agricultural, industrial, or municipal water supply purposes. Another surface water body in the area is the Illinois River located 1.2 miles south of the facility. The Illinois River is used for industrial and recreational purposes.

Ground water is used as a municipal water supply. The two municipal ground water wells are located at Taylor and 2nd Streets (Unit well #10) and at the end of Pond City Drive (Unit well #11). Unit well # 10 is located 0.2 mile east of the facility and unit well # 11 is located 0.25 mile north of the facility. The two unit wells were drilled to a depth of 2,800 feet presumably into the Ironton-Galesville sandstone, in order to obtain a reliable ground water source.

No sensitive environments are located on site. The nearest sensitive environment is a wetland area located 0.3 mile north of the facility. This wetland is 4.5 acres in size and classified as palustrine, emergent, temporarily flooded, farmed. Other wetlands located within a 1 mile radius of the facility and greater than 2 acres in size are: a palustrine, scrub-shrub, board-leaved deciduous,

seasonally flooded, 59 acres in size and located 1.3 miles southeast; and palustrine scrub-shrub, broad-leaved deciduous, semi-permanently flooded 5.5 acres in size located 0.6 mile south (USDI, 1987).

3.0 SOLID WASTE MANAGEMENT UNITS

This section describes the four SWMUs identified during the PA/VSI. The following information is presented for each SWMU: description of the unit, dates of operation, wastes managed, release controls, history of documented releases, and RAI's observations. Figure 2 shows the SWMU locations.

SWMU 1	Former Indoor Storage Area
Unit Description:	The Former Indoor Storage Area was a 100 foot by 20 foot bermed concrete area with a grate that led to a 10,000-gallon concrete pit. The unit was located on the north side of the facility. The special waste was pumped directly into a tanker truck. The concrete was stained but no cracks were present (see Photographs No. 1 and 2).
Date of Startup:	This unit began operation in the 1960s.
Date of Closure:	This unit has been inactive since 1986.
Wastes Managed:	This unit managed rolling mill special waste. The rolling mill special waste consisted of the removed metal nubs from the casters, emery grit, and water. Robertson's Disposal pumped the rolling mill special waste into a tanker truck and disposed of the waste at the Indian Creek Landfill in Hopedale, Illinois.
Release Controls:	The unit had a 6-inch-thick berm surrounding all sides, with a grate in the floor that led to the 10,000-gallon concrete pit (SWMU 1).
History of Documented Releases:	No releases from this unit have been documented.

Observations:	The unit was empty during the VSI. Red staining was present on the concrete floor.
SWMU 2	**Former Electroplating Tanks and Lines**
Unit Description:	The Former Electroplating Tanks and Lines are located indoors, south of SWMU 1. The unit consisted of three concrete sumps-cyanide, chromate, and acid alkaline. The cyanide sump measures 4 feet by 6 feet by 7 feet, the chromate sump measures 4 feet by 4 feet by 6 feet, and the acid alkaline sump measures 4 feet by 19 feet by 7 feet. Plating wastewater flowed through the lines to the settling sumps and then the wastewater was gravity fed into the sanitary sewer. No cracks were present in the concrete (see Photographs No. 3 and 4).
Date of Startup:	This unit began operation 1958.
Date of Closure:	This unit was RCRA closed in 1991. Plating operations were stopped by the facility in 1985.
Wastes Managed:	This unit managed waste cyanide solution (F007), chromium sludge (D007), plating bath residues (F008), wastewater treatment sludge (F006), plating bath solutions (D002, D003), and wastewater. The wastewater was discharged into the sanitary sewer. The wastewater treatment sludge (F006) from the settling sumps was transported by A-1 Disposal Corporation to Chem-Met Services, Inc. of Wyandotte, Michigan for disposal. In 1988, the unit was cleaned and dismantled. The electroplating wastes were inventoried and disposed of by Peoria Disposal Company of Peoria, Illinois.
Release Controls:	The lines and sumps were made of concrete.

History of Documented Releases:	The City of Spring Valley forced Bassick to stop discharging their wastewater into the sanitary sewer because it was above allowable limits. The city required more pretreatment of the wastewater before Bassick could discharge the wastewater. Bassick stopped electroplating operations in 1985.
Observations:	The unit was empty during the VSI. Some water was present in some of the areas of the former electroplating lines. The sky lights in the ceiling were broken, with glass and debris littering the floor. RAI noted debris and staining were present on the concrete.
SWMU 3	**Drum Storage Area**
Unit Description:	The Drum Storage Area is located indoors north of the boiler room. The unit stores PCB oil in 55-gallon steel drums. This waste was generated from capacitors at the Bassick facility. The unit has a 6-inch-thick concrete floor and measures 10 feet by 10 feet. No floor drains were located in the area (see Photograph No. 5 and 6).
Date of Startup:	This unit began operation in July 1992.
Date of Closure:	This unit is active.
Wastes Managed:	This unit manages PCB oil. Bassick is currently looking for a disposal company to take this waste.
Release Controls:	The unit has a 6-inch-thick concrete floor.
History of Documented Releases:	No releases from this unit have been documented.
Observations:	The unit contained two 55-gallon steel drums of PCB oil during the

VSI. RAI noted debris and staining were present on the floor, apparently from pre-demolition work and the broken windows.

SWMU 4	**Former Outdoor Hazardous Waste Storage Area**
Unit Description:	The Former Outdoor Hazardous Waste Storage Area is located outdoors on the east side of the facility. The unit measures 15 feet by 20 feet and is made of a 6-inch-thick concrete pad. A 4-inch concrete berm surrounds all sides of the pad. The unit is fenced and has a roof. No drains are present in the area of the unit (see Photographs No. 7, 8, and 9).
Date of Startup:	This unit began operation in the 1980s.
Date of Closure:	The unit was RCRA closed in 1991.
Wastes Managed:	This unit managed: waste cyanide solution (F007), chromium sludge (D007), plating bath residues (F008), wastewater treatment sludge (F006), and plating bath solutions (D002, D003) in 55-gallon steel drums.
Release Controls:	The unit is made of a 6-inch-thick concrete pad with a 4-inch concrete berm. The unit is fenced and has a roof.
History of Documented Releases:	No releases from this unit have been documented.
Observations:	The unit was empty during the VSI. The concrete pad and berm were in sound condition. RAI noted no evidence of release.

4.0 AREAS OF CONCERN

No areas of concern were identified at the Bassick facility. Two USTs were removed from the site on October 6, 1988, a 25,000-gallon fuel oil UST and a 500-gallon gasoline UST. Another 10,000-gallon fuel oil UST was closed-in-place and filled, also in October 1988. There was contamination of fuel oil in the area of the 25,000-gallon fuel oil UST. Remediation was necessary in the area of the fuel oil UST, 224 cubic yards of fuel oil and soil was removed. IEPA stated in a February 22, 1989 letter to Bassick that no further remediation of the area around the fuel oil UST was necessary.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The PA/VSI identified four SWMUs at the Bassick facility. Background information on the facility's location; operations; waste generating processes and waste management practices; history of documented releases; regulatory history; environmental setting; and receptors is presented in Section 2.0. SWMU-specific information, such as the unit's description, dates of operation, wastes managed, release controls, history of documented releases, and observed condition, is presented in Section 3.0. AOCs are discussed in Section 4.0. Following are RAI's conclusions and recommendations for each SWMU. Table 3, at the end of this section, summarizes the SWMUs at the facility and the recommended further actions.

SWMU 1 **Former Indoor Storage Area**

Conclusions: This unit stored rolling mill special waste. The unit is a 10,000-gallon concrete pit. The concrete was stained and the grates were rusting, but no cracks were observed in the concrete.

The potential for release to environment media is summarized below.

The unit had a low potential for release to ground water, surface water, on-site soils, and air. The unit was indoors and stored rolling mill special waste.

Recommendations: RAI recommends no further action at this time.

SWMU 2 **Former Electroplating Tanks and Lines**

Conclusions: The Former Electroplating Tanks and Lines were located indoors, south of SWMU 1. The unit consisted of a cyanide, chromate, and acid alkaline sumps. No cracks were present in the concrete. This unit operated from 1958 to 1985 and RCRA closed in 1991.

The unit had a low potential for release to ground water, surface water, on-

site soils, and air, since it was indoors and made of concrete. The wastewater discharged from this unit was above acceptable limits in 1985, and operations were discontinued. The City of Spring Valley determined more pretreatment of the wastewater was necessary before it was discharged into the sanitary sewers.

Recommendations: RAI recommends no further action at this time. The electroplating operations were stopped in 1985 and the facility was shut down in 1988.

SWMU 3 **Drum Storage Area**

Conclusions: This unit is located indoors, north of the boiler room. The unit stores PCB oil in 55-gallon steel drums in a 10 foot by 10 foot area.

The unit has a low potential for release to ground water, surface water, and on-site soils. The unit is located indoors on a 6-inch-thick concrete floor. The drums are stored closed, so the release potential for air is low.

Recommendations: RAI recommends no further action at this time.

SWMU 4 **Former Outdoor Hazardous Waste Storage Area**

Conclusions: The unit is located on the east side of the facility. The unit measures 15 feet by 20 feet and is made of a 6-inch-thick concrete pad. A 4-inch-high concrete berm surrounds the concrete pad. The unit is also fenced and roofed. The unit previously stored hazardous wastes for greater than 90 days. The unit was approved RCRA closed by IEPA in 1991.

The unit had a low potential for release to ground water, surface water, and on-site soils. The unit has a 4-inch-thick bermed concrete pad. The unit was also securely fenced and locked to deny unauthorized access. The drums were stored closed so the release potential to air was low.

Recommendations: RAI recommends no further action for this unit at this time.

TABLE 3

SWMU SUMMARY

SWMU	Dates of Operation	Evidence of Release	Recommended Further Action
1. Former Indoor Storage Area	1960s to 1986	Red staining present on concrete floor.	No further action at this time.
2. Former Electroplating Tanks and Lines	1958 to 1991	Staining and water present on concrete floor.	No further action at this time.
3. Drum Storage Area	July 1992 to present	Staining and debris present on concrete floor.	No further action at this time.
4. Former Outdoor Hazardous Waste Storage Area	1980s to 1991	None.	No further action at this time.

REFERENCES

Stewart-Warner Corporation, Bassick Division (Bassick), 1980a. Notification of Hazardous Waste Activity, August 12.

Bassick, 1980b. Part A Hazardous Waste Permit Application, November 17.

Bassick, 1982. Amended Hazardous Waste Permit Application Part A, May 6.

Bassick, 1988. Amended Hazardous Waste Permit Application Part A, April 29.

Bureau County Soil and Water Conservation District (BCSWCD), 1992. Soil Map of Bureau County, Illinois: Sheet No. 93 and associated materials supplied by BCSWCD, July.

Department of Housing and Urban Development, 1975. Federal Insurance Administration for the City of Spring Valley, Illinois, No. H02.

Hackett, J., and R.E. Bergstrom, 1956. "Groundwater in Northern Illinois," Illinois State Geological Survey Circular No. 207.

Illinois Environmental Protection Agency, (IEPA) 1983a. Interim Status Standards (ISS) Inspection Report, February 15.

IEPA, 1983b. Compliance Inquiry Letter, June 23.

IEPA, 1986a. ISS Inspection Report, June 13.

IEPA, 1986b. Compliance Inquiry Letter, July 2.

IEPA, 1986c. Letter from IEPA stating that some of the violations from the July 2, 1986 Compliance Inquiry Letter have been resolved, September 11.

IEPA, 1986d. Letter from IEPA stating that all the violations from the July 2, 1986 Compliance Inquiry Letter have been resolved, November 21.

IEPA, 1987a. Compliance Inquiry Letter stating Bassick had failed to provide an Annual Generator Report, June 5.

IEPA, 1987b. Letter from IEPA stating that the violation from the June 5, 1987 Compliance Inquiry Letter has been resolved, July 2.

IEPA, 1988a. ISS Inspection Report, February 19.

IEPA, 1988b. RCRA Land Restriction F-Solvent Generator Checklist Inspection Report, February 19.

IEPA, 1988c. Compliance Inquiry Letter, April 1.

IEPA, 1988d. Pre-Enforcement Conference Letter, May 1.

IEPA, 1988e. Letter from IEPA stating that the violations from the April 1, 1988 Compliance Inquiry Letter have been resolved, July 21.

IEPA, 1989a. Letter from IEPA stating no other remediation was necessary in the area of the fuel oil underground storage tank, February 22.

IEPA, 1989b. Compliance Inquiry Letter stating that Bassick had failed to provide an Annual Generator Report, March 22.

IEPA, 1990a. RCRA Closure Inspection Report, July 20.

IEPA, 1990b. Letter IEPA stating that no violations were noted during the July 20, 1990 Closure Inspection, August 17.

IEPA, 1991a. Letter from IEPA stating that closure of two units were done in accordance with the closure plan and that the Part A application has been withdrawn, February 26.

Piskin, Kemal and R. E. Bergstrom, 1975. Glacial Drift in Illinois: Thickness and Character. Illinois State Geological Survey Circular 490, Urbana, Illinois.

Ruffner, J.A., and F. Bair eds., 1985. Weather of U.S. Cities, Volume 1, Gale Research Co., Detroit, Michigan.

U.S. Department of Interior (USDI), 1987. National Wetlands Map for Spring Valley, Illinois Quadrangle.

U.S. Geological Survey (USGS), 1979. Topographic Map for the Spring Valley Quadrangle, 7.5 Minute Series.

ATTACHMENT A

EPA PRELIMINARY ASSESSMENT FORM 2070-12

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD 005 444 930

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Stewart-Warner Corporation, Bassick Division	600 North Strong Avenue				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Spring Valley	IL	61362	Bureau		

09 COORDINATES: LATITUDE 41° 19' 45".N | LONGITUDE 089° 12' 30".W

10 DIRECTIONS TO SITE *(Starting from nearest public road)*

Interstate 80 west to Spring Valley exit. Make a left onto U.S. Highway 6, follow that to the facility on the left.

III. RESPONSIBLE PARTIES

01 OWNER *(if known)*	02 STREET *(Business, mailing residential)*		
British Tire and Rubber, Inc.	1001 Main Place		
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**
Stamford	CT	06902	(203) 964-8025
07 OPERATOR *(if known and different from owner)*	**08 STREET *(Business, mailing, residential)***		
Stewart-Warner Corporation, Bassick Division	600 North Strong Avenue		
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**
Spring Valley	IL	61362	None

13 TYPE OF OWNERSHIP *(Check one)*

☒ A. PRIVATE ☐ B. FEDERAL: _____ *(Agency name)* ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER _____ *(Specify)* ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE *(Check all that apply)*

☒ A. RCRA 3010 DATE RECEIVED: 08 / 12 / 80 (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE *(CERCLA 103 c)* DATE RECEIVED: / / (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES DATE 07 / 09 / 92

☐ NO

BY *(Check all that apply)*

☐ A. EPA ☒ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ *(Specify)*

CONTRACTOR NAME(S): Resource Applications, Inc.

02 SITE STATUS *(Check one)*	03 YEARS OF OPERATION	
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN	1958 (BEGINNING YEAR) / 1988 (ENDING YEAR)	☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Hazardous wastes managed at the facility were: cyanide solution (F007), chromium sludge (D007), plating bath residues (F008), wastewater treatment sludge (F006), plating bath solutions (D002, D003), and PCB oil.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

None identified.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION *(Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents.)*

☐ A. HIGH *(Inspection required promptly)* ☐ B. MEDIUM *(Inspection required)* ☒ C. LOW *(Inspect on time-available basis)* ☐ D. NONE *(No further action needed; complete current disposition form)*

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF *(Agency/Organization)*			03 TELEPHONE NUMBER
Kevin Pierard	EPA Region V			(312) 886-4448
04 PERSON RESPONSIBLE FOR ASSESSMENT	**05 AGENCY**	**06 ORGANIZATION**	**07 TELEPHONE NUMBER**	**08 DATE**
Laura Czajkowski		Resource Applications, Inc.	(312) 332-2230	07 / 07 / 92 (MONTH DAY YEAR)

ATTACHMENT B

VISUAL SITE INSPECTION SUMMARY AND PHOTOGRAPHS

VISUAL SITE INSPECTION SUMMARY

Stewart-Warner Corporation, Bassick Division
600 North Strong Avenue
Spring Valley, Illinois
ILD 005 444 930

Date:	July 9, 1992
Primary Facility Representative:	Bob McFadden, Manager of Stewart-Warner Hobbs Corporation
Representative Telephone No.:	(815) 664-9209
Inspection Team:	Laura Czajkowski, Resource Applications, Inc. (RAI) Tony Dominic, RAI
Photographer:	Tony Dominic
Weather Conditions:	85°F, partly cloudy.
Summary of Activities:	The visual site inspection (VSI) began at 11:00 a.m. with an introductory meeting. The inspection team explained the purpose of the VSI and the agenda for the visit. Facility representative then discussed the facility's past and current operations, solid wastes generated, and release history. Facility representative provided the inspection team with copies of requested documents. The VSI tour began at 11:20 a.m. The tour began with inspecting the loading docks, and then the Former Indoor Storage Area (SWMU 1). Next, the Former Electroplating Tanks and Lines (SWMU 2) were viewed. The concrete was in sound condition, but water and staining were present. The Drum Storage Area (SWMU 3) was toured. Two drums of PCB oil were present. No cracks were observed in the concrete. Some of the office walls have been demolished and debris was present throughout the facility. The tour also included viewing the Former Outdoor Hazardous Waste Storage Area (SWMU 4). The unit was in good condition. The tour concluded at 1:30 p.m., after which the inspection team held an exit meeting with the facility representative. The VSI was completed and the inspection team left the facility at 1:50 p.m.

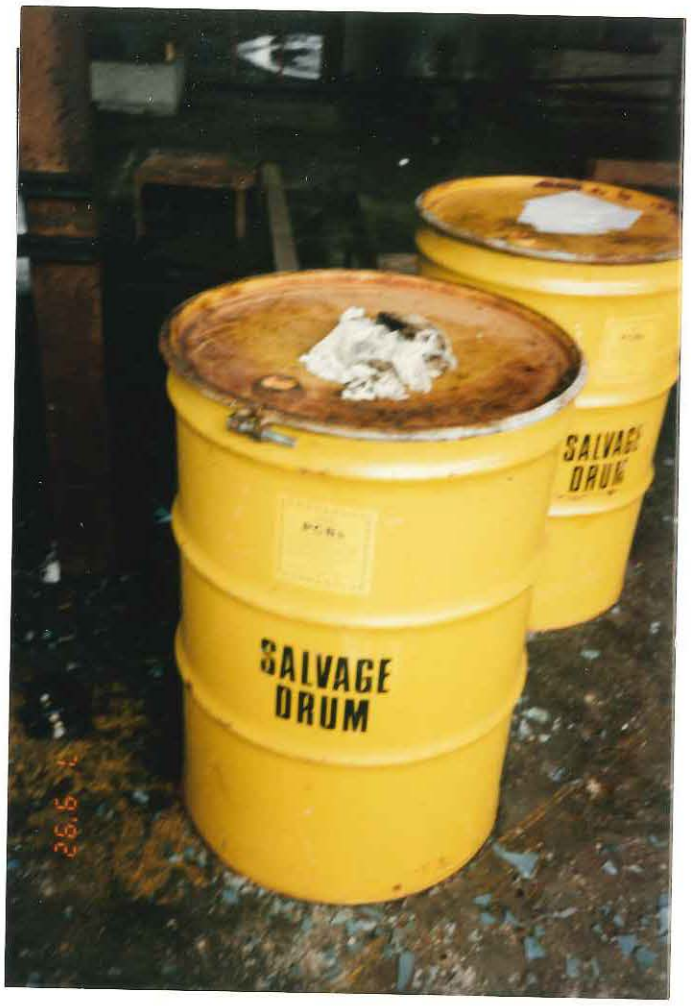
Photograph No. 1 Location: SWMU 1
Orientation: East Date: 7/9/92
Description: This is the area where the rolling mill operation was located. This unit managed rolling mill special waste. Debris and staining was present on the concrete.

Photograph No. 2 Location: SWMU 1
Orientation: North Date: 7/9/92
Description: This is the grate that leads to the concrete pit. The rolling mill special waste was managed here.

Photograph No. 3 Location: SWMU 2
Orientation: North Date: 7/9/92
Description: This is the Former Electroplating Tanks and Lines. The concrete was in good condition, water and debris were present.

Photograph No. 4
Orientation: East
Description: This is another section of the plating lines.

Location: SWMU 2
Date: 7/9/92

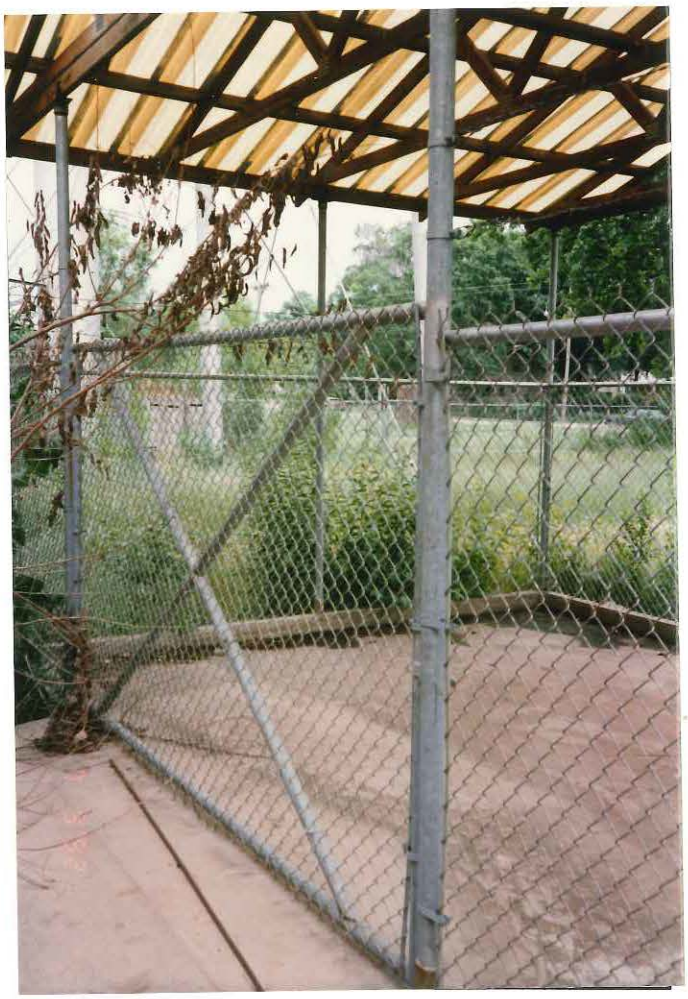


Photograph No. 5 Location: SWMU 3
Orientation: South Date: 7/9/92
Description: There are two drums of PCB oil that were being stored in the unit.

Photograph No. 6 Location: SWMU 3
Orientation: South Date: 7/9/92
Description: A close up of the label of one of the PCB oil drums.

Photograph No. 7
Orientation: East
Description: This is the Former Outdoor Hazardous Waste Storage Area.

Location: SWMU 4
Date: 7/9/92



Photograph No. 8 Location: SWMU 4
Orientation: North Date: 7/9/92
Description: This is a long view of the unit. The fence and roof were still intact.

Photograph No. 9 Location: SWMU 4
Orientation: West Date: 7/9/92
Description: In the foreground of the picture is the area of the former 500-gallon gasoline UST, behind it is the Former Outdoor Hazardous Waste Storage Area (SWMU 4).

ATTACHMENT C

VISUAL SITE INSPECTION FIELD NOTES

(113) Stewart-Warner Bassick Div.

11:00 am

Bob McFadden, manager manufacturing engineer for the Stewart-Warner Hobbs Corporation on State Route 6 in Spring Valley Phone (815) 664-9209

facility is 266,080 sq feet
September 1958 building built
1953 put water tower in

85°F partly cloudy
N- empty land, business
E- business, residences
S- Hardees, businesses
W- US Highway 6 → houses

4 blocks North Jr. High & Grade school
John F. Kennedy
across highway 61 High school

Asbestos removal performed last week of June. Plan to demolish the building some time in July.

Boiler chemicals & PCB oil were

JC 7/9/92

(114) Stewart-Warner Bassick Div.

located on-site. Trying to take the boiler chemicals to a facility that can use them. PCB oil will be disposed of this month. Facility was empty. Broken skylights and windows. Power has been turned off. The area by the offices has been torn apart. Walls torn down. Oil was present on the floor in some areas of the facility. High school students have broken in and vandalized the facility. Concrete floor was in good condition, no cracks were present.

(1) Loading dock East

(2) Loading dock 2 East

(3) Loading dock 3 East

(4) North edge of facility West

(5) North edge of berm near rolling barrels Area

JC 7/9/92

(115) Stewart - Warner Bassick Div.

(6) East
Rolling barrels area

(7) North
Part of trench system

(8) West
More of trench system

(9) Plating Area
North

(10) West
Plating Area

(11) North
Facility floor

(12) East
Facility from the center

(13) North
Facility from the center

LC 7/9/92

(116) Stewart - Warner Bassick Div.

(14) East
facility shot

(15) East
south of lab

(16) West
west side of facility

(17) West
west side of facility

(18) North
west of plating area

(19) West
Office area

(20) East
plating area

(21) Northwest
plating area

(22) East
where the plating lines were located

LC 7/9/92

(117) Stewart-Warner Bassick Div.

(23) East
plating lines

(24) North
edge of coiling barrel area

(25) East
Center of facility looking east

(26) South
Drums of PCB waste

(27) South
Drum of PCB waste

(28) South
Close up of drum label

(29) South
Two drums of PCB waste

OUTDOORS

(30) East ~~of~~ Hazardous Waste Storage Area

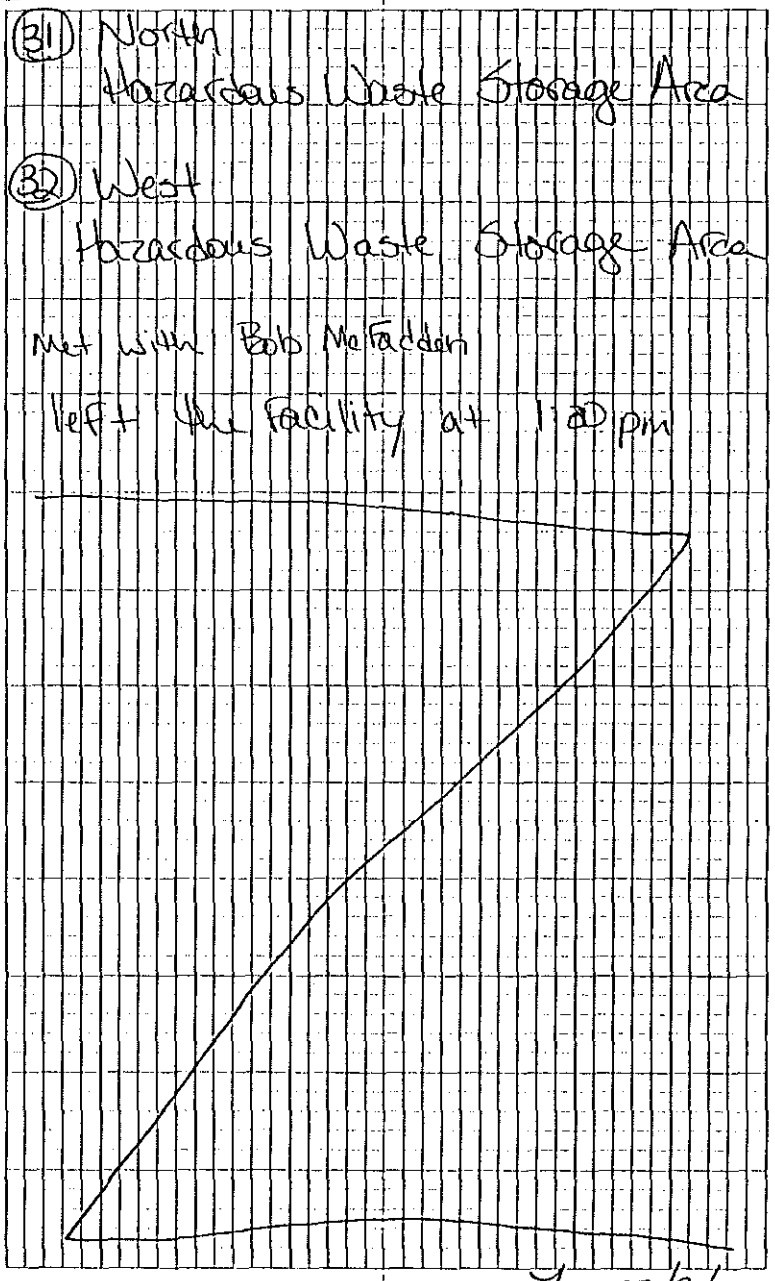
JC 7/9/92

(118) Stewart-Warner Bassick Div.

(31) North
Hazardous Waste Storage Area

(32) West
Hazardous Waste Storage Area

Met with Bob McFadden
left the facility at 1:20 pm



JC 7/9/92

ATTACHMENT D

UNDERGROUND STORAGE TANK REMOVAL REPORT

Randolph & Associates, Inc.
8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589
TELEPHONE 309-692-4422 • FAX 309-692-9364

Robert M. Randolph, P.E., M.B.A.
President
David L. Maurer, P.E., S.E.
Gregory A. Sherwood, P.E.
Kirk E. Sweetland

Donald D. Bell, P.E., S.E.
Bobby K. Franklin, P.E., L.S.
Daniel R. Good, P.E.
Richard B. Herm, Ph.D., P.E.

Lee S. Austin, P.E.
Charles K. Herkelman, P.E.
Michael J. Hoffman, P.E.
Wayne W. Nowlan, A.I.A.

December 14, 1988

Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276

Attn: Dennis Ahlberg

Re: Stewart Warner-Bassick Division
Spring Valley, IL
Incident No. 881319

Gentlemen:

This letter is a report of an investigation of the release of heating oil associated with a 25,000 gallon underground storage tank formerly located at the Stewart Warner-Bassick Division facility, 600 North Strong Avenue, Spring Valley, Illinois. The approximate tank location is shown on the accompanying site map.

Following the excavation and removal of the underground storage tank, approximately 224 yards of fuel oil contaminated sediments were removed from the excavation and disposed of at a special waste disposal facility. A single groundwater and sediment sample was recovered from the bottom of the excavation following the removal and disposal of contaminated sediments. The samples were analyzed for volatile organic compounds (VOC's) and polynuclear aromatics (PNA's). The analytical results, listed under the sample names "oil tank soil" and "oil tank water" are included with this report. No detectable levels of VOC's or PNA's were discovered in either sample.

On November 15, 1988, 4 soil borings were initiated in the locations shown on the accompanying site map. Each boring was finished at a depth of 10 feet. Materials encountered by boring include approximately 3.5 feet of generally coarse fill materials overlying an organic rich modern soil which extends to a depth of 5.5 feet. The soil is underlain by 2.5-3.0 feet of loess which in turn is underlain by a dense, silty, oxidized glacial till. The till contained a sand and gravel lense near its upper surface which varied in thickness from between .5 to 1.5 feet. Stabilized groundwater levels within each boring ranged from between 5 and 6 feet below the ground surface. The direction of groundwater flow, as estimated from topography, is south southwest.

A single groundwater sample recovered from each boring as well as a sediment sample from boring #3 was analyzed for VOC's. The analytical results are included with this report. Boring #1 showed levels of toluene and xylene slightly above detection limits, while all other samples showed no detectable levels of VOC's. The soil sample from boring #3 was also analyzed for PNA's. The analytical results, which are included with this report, show no detectable levels of PNA's.

It appears from the available data that the excavation and removal of contaminated sediments adjacent to the tank adequately remediated the fuel oil release. At present, no other investigation or remediation activities are planned.

If you have any questions, please contact the undersigned or Don Smith, Stewart-Warner Corporation, Bassick Division, 1161 South Avenue, Bridgeport, Connecticut 06602.

Sincerely,

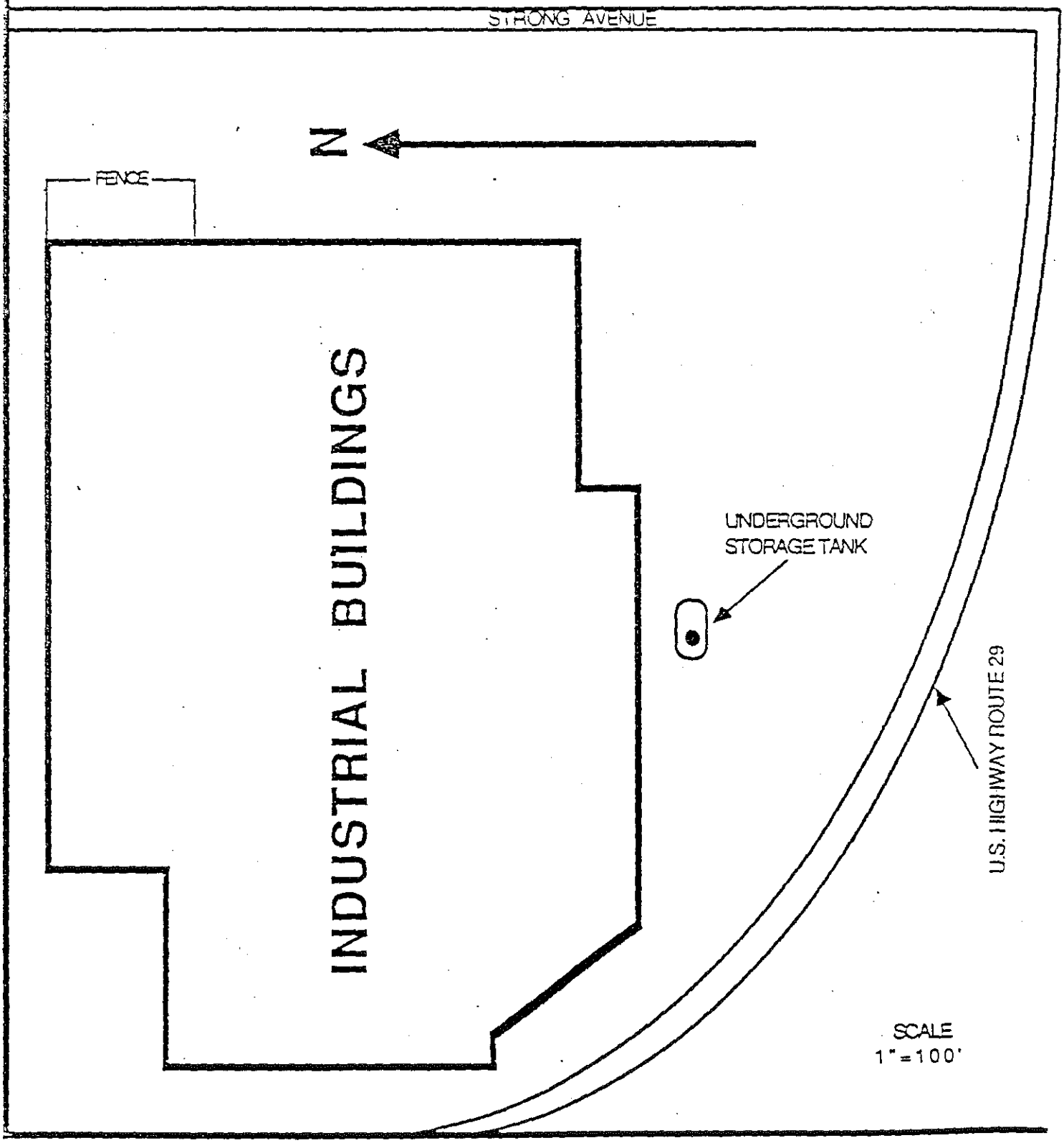
RANDOLPH & ASSOCIATES, INC.

Michael J. Hoffman, P.E.
Senior Environmental Engineer

MJH:gm

Enclosure

STEWART WARNER CORP.
BASSICK DIVISION
LOCATION MAP FOR 25000 GALLON UNDERGROUND STORAGE TANK



Randolph & Associates, Inc.
8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589
TELEPHONE 309-692-4422

TO: Stewart Warner - Bassick Division
600 North Strong Street
Spring Valley, IL 61362
ATTN: Mr. Jerry Comisky

REPORT DATE: 11-7-88
DATE REC'D: 10-11-88
PROJECT NO.: 2-0508.002.01
P.O. NO.:

RAI SAMPLE	881011-01
SAMPLE DATE	10-7-88
DESCRIPTION	Oil Tank Soil

PNA's	*
Benzene	< 5
Toluene	< 5
Ethylbenzene	< 5
Xylene	< 5

*Carcinogenic and Non-carcinogenic with GC/MS detection limits.
Results in ug/kg.
PNA results as stated on the attached.

Report Approved By: Barbara G. Raya-Nash
Barbara G. Raya-Nash
Manager of Laboratory Operations

Analysis in accordance with procedures itemized in 40 CFR Part 136.
jmc/L:43

Randolph & Associates, Inc.
8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589
TELEPHONE 309-692-4422

TO: Stewart Warner - Bassick Division
600 North Strong Street
Spring Valley, IL 61362
ATTN: Mr. Jerry Comisky

REPORT DATE: 11-7-88
DATE REC'D: 10-11-88
PROJECT NO.: 2-0508.002.01
P.O. NO.:

RAI SAMPLE	881011-02
SAMPLE DATE	10-10-88
DESCRIPTION	Oil Tank Water

PNA's	*
Benzene	< 5
Toluene	< 5
Ethylbenzene	< 5
Xylene	< 5

*Carcinogenic and Non-carcinogenic with GC/MS detection limits.

Results in ug/l.

PNA results as stated on the attached.

Report Approved By: Barbara G. Raya-Wash
Barbara G. Raya-Wash
Manager of Laboratory Operations

Analysis in accordance with procedures itemized in 40 CFR Part 136.
jmt/L:43

Randolph & Associates, Inc.
8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589
TELEPHONE 309-692-4422

TO: Stewart Warner / Bassick Division
600 North Strong Street
Spring Valley, IL 61362
ATTN: Mr. Jerry Comisky

REPORT DATE: 12-13-88
DATE REC'D: 7
PROJECT NO.: 2-0508.002.01
PAGE 1 OF 2

RAI SAMPLE	881116-66	881116-67	881116-68	881116-69
SAMPLE DATE	11-15-88	11-15-88	11-15-88	11-15-88
DESCRIPTION	B-1 Water	B-2 Water	B-3 Water	B-4 Water
Benzene, ug/l	< 5	< 5	< 5	< 5
Toluene, ug/l	5	< 5	< 5	< 5
Ethylbenzene, ug/l	< 5	< 5	< 5	< 5
Xylene, ug/l	15	< 5	< 5	< 5

RAI SAMPLE	881116-70
SAMPLE DATE	11-15-88
DESCRIPTION	B-3 Soil 4-6'
Benzene, ug/kg	< 5
Toluene, ug/kg	< 5
Ethylbenzene, ug/kg	< 5
Xylene, ug/kg	< 5
PNAs, ug/kg	*

*SEE ATTACHED.

Report Approved By: Barbara G. Raya-Hesh
Barbara G. Raya-Hesh
Manager of Laboratory Operations

Analysis in accordance with procedures itemized in 40 CFR Part 136.
An IEPA Contract Laboratory
jmt/L:75

Randolph & Associates, Inc.
8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589
TELEPHONE 309-692-4422

TO: Stewart Warner - Bassick Division
600 North Strong Street
Spring Valley, IL 61362
ATTN: Mr. Jerry Comisky

REPORT DATE: 11-7-88
DATE REC'D: 10-11-88
PROJECT NO.: 2-0508.002.01
P.O. NO.:

RAI SAMPLE	881011-01	881011-02
SAMPLE DATE	10-7-88	10-10-88
DESCRIPTION	Oil Tank Soil ug/kg	Oil Tank Water ug/l
PNA COMPOUNDS		
Naphthalene	< 330	< 20
Acenaphthylene	< 330	< 20
Acenaphthene	< 330	< 20
Fluorene	< 330	< 20
Phenanthrene	< 330	< 20
Anthracene	< 330	< 20
Fluoranthene	< 330	< 20
Pyrene	< 330	< 20
Benzo (a) anthracene	< 330	< 20
Chrysene	< 330	< 20
Benzo (b) fluoranthene	< 330	< 20
Benzo (k) fluoranthene	< 330	< 20
Benzo (a) pyrene	< 330	< 20
Indeno (1,2,3-c,d) pyrene	< 330	< 20
Dibenzo (a,h) anthracene	< 330	< 20
Benzo (g,h,i) perylene	< 330	< 20

Report Approved By: Barbara G. Raya-Hash
Barbara G. Raya-Hash
Manager of Laboratory Operations

Analysis in accordance with procedures itemized in 40 CFR Part 136.
jmt/L:43

Randolph & Associates, Inc.
8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589
TELEPHONE 309-692-4422

TO: Stewart Warner / Bassick Division
600 North Strong Street
Spring Valley, IL 61362
ATTN: Mr. Jerry Comisky

REPORT DATE: 12-13-88
DATE REC'D: 7
PROJECT NO.: 2-0508.002.01
PAGE 2 OF 2

==========

Polynuclear Aromatics

RAI SAMPLE:	881116-70
SAMPLE DATE:	11-15-88
DESCRIPTION:	B-3 Soil 4-6'

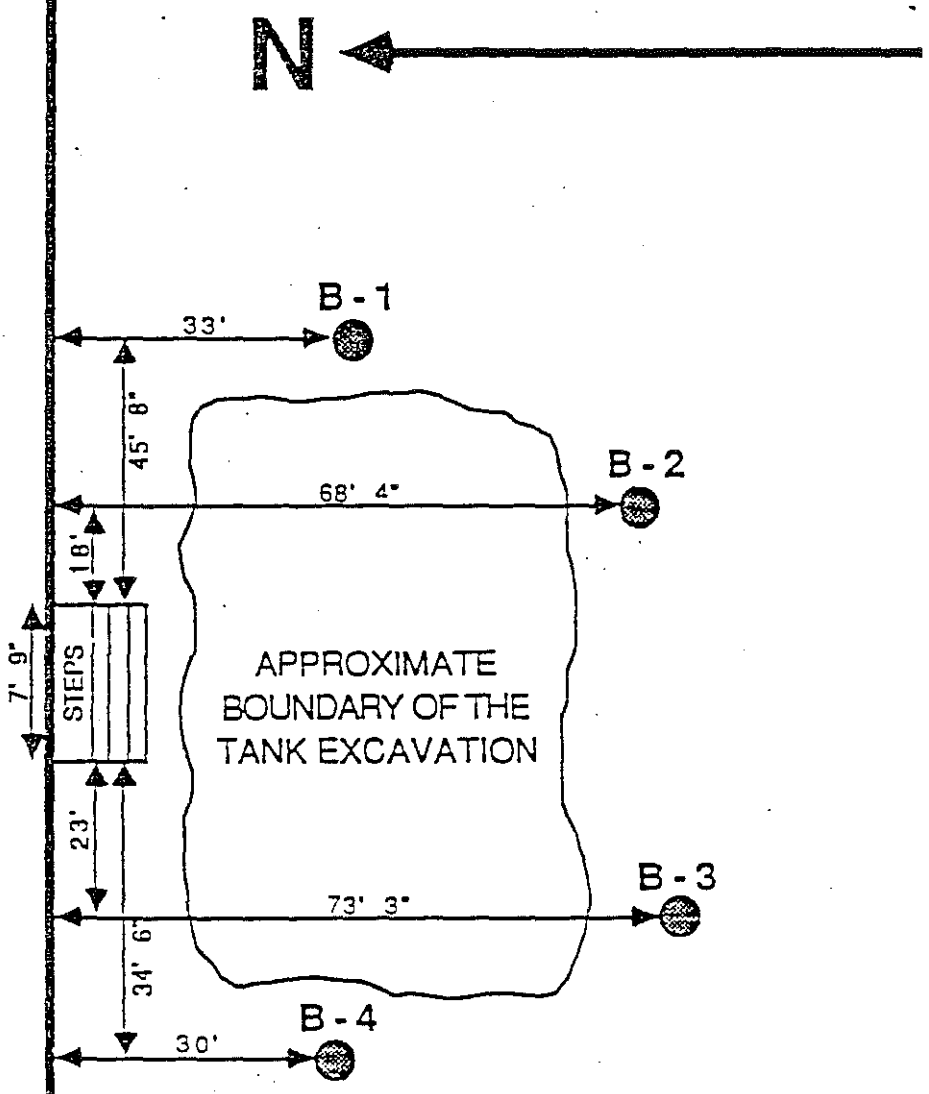
Naphthalene	< 330
Acenaphthylene	< 330
Acenaphthene	< 330
Fluorene	< 330
Phenanthrene	< 330
Anthracene	< 330
Fluoranthene	< 330
Pyrene	< 330
Benzo(a)fluoranthene	< 330
Chrysene	< 330
Benzo(b)fluoranthene	< 330
Benzo(k)fluoranthene	< 330
Benzo(a)pyrene	< 330
Indeno(1,2,3-c,d)pyrene	< 330
Dibenzo(a,h)anthracene	< 330
Benzo(g,h,i)perylene	< 330

Results in ug/kg.

Report Approved By: Barbara L. Raya-Hesh
Barbara C. Raya-Hesh
Manager of Laboratory Operations

Analysis in accordance with procedures itemized in 40 CFR Part 136.
jmt/L:75

STEWART WARNER CORP.
BASSICK DIVISION
LOCATION MAP FOR BORINGS #1-4



(NOT TO SCALE)

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-3637

Refer to: Spring Valley — 881319

0111000003 - Bureau Co
Spring Valley / Bassick
600 N. Strong
Incident # 881319
LUST / Tech Report

February 22, 1989

Don Smith
Stewart Warner - Bassick Division
600 North Strong
Spring Valley, Illinois 61362

Dear Mr. Smith:

In response to Randolph and Associates, Inc. letter of January 9, 1989 regarding the analytical results for the fuel oil cleanup, please be advised that the Agency will accept these detection limits. As a result, based upon these results, no further action is deemed necessary.

Should you have any questions, please contact Chuck Brutlag or myself at 217/782-3637.

Sincerely,

Dennis Ahlberg

Dennis Ahlberg, Manager
Emergency Response Unit

DA:CB:jab/658&/10

cc: Michael J. Hoffman - Randolph and Assoc.
Incident Log

RECEIVED
ROCKFORD REGION
MAR 22 1991
Environmental Protection Agency
State of Illinois

RECEIVED
26 MAR 1991
IEPA/DLPC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

HRE-8J

July 6, 1992

Ms. Jeanine Landow Esser
Holleb & Coff
55 East Monroe Street Ste 4100
Chicago, Illinois 60603

Re: Visual Site Inspection
Stewart-Warner Corporation
Bassick Division
ILD 005 444 930

Dear Ms. Esser:

The United States Environmental Protection Agency (U.S. EPA) Region V will conduct a Preliminary Assessment including a Visual Site Inspection (PA/VSI) at the referenced facility. This inspection is conducted pursuant to the Resource Conservation and Recovery Act, as amended (RCRA) Section 3007 and the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA) Section 104(e). The referenced facility has generated, treated, stored, or disposed of hazardous waste subject to RCRA. The PA/VSI requires identification and systematic review of all solid waste streams at the facility. The objective of the PA/VSI is to determine whether or not releases of hazardous wastes or hazardous constituents have occurred or are occurring at the facility which may require further investigation. This analysis will also provide information to establish priorities for addressing any confirmed releases.

The visual site inspection of your facility is to verify the location of all solid waste management units (SWMUs) and areas of concern (AOCs) to make a cursory determination of their condition by visual observation. The definitions of SWMUs and AOCs are included in Attachment I. The VSI supplements and updates data gathered during a preliminary file review. During this site inspection, no samples will be taken. A sampling visit to ascertain if releases of hazardous waste or constituents have occurred may be required at a later date.

Assistance of some of your personnel may be required in reviewing solid waste flow(s) or previous disposal practices. The site inspection is to provide a technical understanding of the present and past waste flows and handling, treatment, storage, and disposal practices. Photographs of the facility are necessary to document the condition of the units at the facility and the waste management practices used.

The VSI has been scheduled for July 9, 1992 at 11:00 a.m. The inspection team will consist of Laura Czajkowski and Tony Dominic of Resource Applications, Inc., a contractor for the U.S. EPA. Representatives of the Illinois Environmental Protection Agency (IEPA) may also be present. Your cooperation in admitting and assisting them while on site is appreciated.

The U.S. EPA recommends that personnel who are familiar with the present and past manufacturing and waste management activities be available during the VSI. Access to any relevant maps, diagrams, hydrogeologic reports, environmental assessment reports, sampling data sheets, environmental permits (air, NPDES), manifests and/or correspondence is also necessary, as such information is needed to complete the PA/VSI. Attachment II is a summary of the information required.

If you have any questions, please contact me at (312) 886-4448 or Francene Harris at (312) 886-2884. A copy of the Preliminary Assessment/Visual Site Inspection Report, excluding the conclusions and Executive Summary portion will be sent when the report is available.

Sincerely yours,

Francene M. Harris for

Kevin M. Pierard, Chief
OH/MN Technical Enforcement Section

enclosure

cc: Larry Eastep, Chief, Division of Land Pollution Control, IEPA
Robert Wengrow, IEPA

ATTACHMENT I

Stewart-Warner Corp. Bassick Division
600 North Strong Street
Spring Valley, IL 61362

The definitions of solid waste management unit (SWMU) and area of concern (AOC) are as follows.

A SWMU is defined as any discernable unit where solid wastes have been placed at any time from which hazardous constituents might migrate, regardless of whether the unit was intended for the management of a solid or hazardous waste.

The SWMU definition includes the following:

- RCRA regulated units, such as container storage areas, tanks, surface impoundments, waste piles, land treatment units, landfills, incinerators, and underground injection wells
- Closed and abandoned units
- Recycling units, wastewater treatment units, and other units that U.S. Environmental Protection Agency has generally exempted from standards applicable to hazardous waste management units
- Areas contaminated by routine and systematic releases of wastes or hazardous constituents, such as wood preservative treatment dripping areas, loading or unloading areas, or solvent washing areas

An AOC is defined as any area where a release to the environment of hazardous wastes or constituents has occurred or is suspected to have occurred on a nonroutine or nonsystematic basis. This includes any area where such a release in the future is judged to be a strong possibility.

ATTACHMENT II

PROBABLE SOLID WASTE MANAGEMENT UNITS (SWMUs)

1. Little information was available to compile a list of solid waste management units (SWMUs) at your facility. Please list all waste management units at your facility. If possible, please provide as complete information for the waste unit in response to the questions below.

   From the list of probable SWMUs please address the following questions:

   - Do the above SWMUs still exist at the facility and are they in operation?
   - What are the start-up and closure dates of the above SWMUs?
   - What types of wastes are the SWMUs currently/formerly used for?
   - Name any SWMUs at your facility that have not been listed above. These would include hazardous waste storage areas, treatment units, or any other area or system at your facility dealing with hazardous waste including satellite accumulation areas.
   - What are the average volumes and rates of generation of waste streams?
   - Document any releases that have occurred at the facility. This includes spills or leaks of both wastes and raw product. Outline the action taken to clean up the release.

2. Please supply as much information as possible concerning the site history. This would include any information you have regarding past operations and any former owners/operators at this location.

3. Please provide a description of the primary processes taking place at your facility and the waste streams which are generated.

4. Describe the methods of treatment and disposal of generated waste utilized by your facility.

If available, the following items are requested:

- A detailed map of the facility showing current and former locations of SWMUs and production stations.
- Flow diagrams showing waste streams and waste management practices.
- Copies of any permits currently held by the facility.
- SARA Title III information and a copy of the facility contingency plan.

Attachment 3

CERTIFICATION REGARDING POTENTIAL RELEASES FROM SOLID WASTE MANAGEMENT UNITS (CLOSURE PLAN REVIEW)

FACILITY NAME: Bassick Division, Stewart Warner Corporation

EPA I.D. NUMBER: ILD005444930; 0110000003

LOCATION CITY: Spring Valley

STATE: Illinois

1. Are there any of the following solid waste management units (existing or closed) at your facility? NOTE - DO NOT INCLUDE HAZARDOUS WASTES UNITS CURRENTLY SHOWN IN YOUR PART A APPLICATION and in your closure plan.

	YES	NO
° Landfill		X
° Surface Impoundment		X
° Land Farm		X
° Waste Pile		X
° Incinerator		X
° Storage Tank (Above Ground)		X
° Storage Tank (Underground)		X
° Container Storage Area		X
° Injection Wells		X
° Wastewater Treatment Units		X
° Transfer Stations		X
° Waste Recycling Operations		X
° Waste Treatment, Detoxification		X
° Other _____		

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular, please focus on whether or not the wastes would be considered as hazardous wastes or hazardous constituents under RCRA. Also include any available data on quantities or volume of wastes disposed on and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions, location at facility, provide a site plan if avaliable.

None

NOTE: Hazardous waste are those identified in 40 CFR 261. Hazardous constituents are those listed in Appendix VIII Of 40 CFR Part 261.

3. For the units noted in Number 1 above and also those hazardous waste units in your Part A application and in your closure plan. please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the part or still be occurring.

   Please provide the following information

   a. Date of release
   b. Type of waste released .
   c. Quantity or volume of waste released
   d. Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

None

4. In regard to the prior releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases, Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or groundwater.

None

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the submittal is, to the best of my knowledge and belief, true, accurate, and complete. 1 am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (42 U.S.C. 6902 et seq. and 40 CFR 270.11(d))

R.H. Reid, Vice President & General Manager
Typed Name and Title

Signature

January 15, 1987
Date